ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
1301	Chatham Island	Wellington, Statistics of New Zealand, 1913: Meteor.	M.S. normals prepared in M.O.	P=9 h.
1321	Punta Corona	Santiago, Publ. Inst. Meteor. de Chile, No. 15, Anuario, 1913.	P, T, prepared in M.O. R, Mossman, R. C., Climate of Chile.	P=⅓ (7+14+21). The observations of pressure for 1913 seem too low by about 6 mb., and this amount should be added to the monthly means and differences from normal.
1322	Punta Galera	Do. do.	M.S. normals prepared in M.O.	P=⅓ (7+14+21).
1323	Bahia Blanca	Do. do.	P, Davis, W. G., Climate of Argentine Republic. T, R, Buenos Ayres, Servic. Meteor. Hist. y Organ.	Do.
1365	Hobart	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	Melbourne, Australian Monthly Weath. Rep., 1911.	P=½ (9+15).
1366	Launceston	Do. do.	Do. do.	Do.
1370	Dunedin	See No. 1301.	M.S. normals prepared in M.O.	P=9 h.
1371	Christchurch	Do.	Do. do.	P=9½ h.
1372	Wellington	Do.	Wellington, New Zealand Gazette.	P=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

1421	Islota de los Evangelistas	See No 1321.	M.S. normals prepared in M.O.	P=⅓ (7+14+21).
1422	Puerto de Punta Arenas	Do.	P, Marabini, Resumen de Obs. 1888–1907 del Colegio Salesiano, Punta Arenas.	Do.
1423	Punta Dungeness	Do.	M.S normals prepared in M.O.	Do.
1424				
1425	Cape Pembroke	M.S. data at M.O.	P, T, M.S. normals prepared in M.O.	P=⅙ (4+8+12+16+20+24).
1426	Stanley, Falklands Is.	Meteor. Obs. taken at Stanley, Falkland Is., 1913.	Prepared in M.O.	..
1429	South Georgia (Cumberland Bay)	M.S. data at M.O.	M.S. normals prepared in M.O.	P=⅛ (8+14+20).
1467	Macquarie Island	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P, M.S. normals prepared in M.O.	P=mean of 24 hrs.

ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	M.S. data supplied by Mr. R. C. Mossman.	M.S. normals prepared in M.O.	P=mean of 24 hrs.
1528				

TEMPERATURES REDUCED TO TRUE MEAN.

The following references give the more important authorities for the corrections to reduce the temperature observations at fixed hours, or means of maxima and minima, to true mean, or for the reduced values themselves.

Greenland, Iceland.—Copenhagen, Institut Météor., Moyennes et extrêmes météor. . . . des Iles Féroë, de l'Islande et du Groenland. Copenhagen, 1899.

Norway.—Kristiania, Jahrb. d. Norweg. Meteor. Instituts.

Denmark.—Willaume-Jantzen, Meteorologiske Observationer i Kjøbenhavn. Copenhagen, 1896.

Sweden.—Ekholm, N., Calcul de la température moyenne mensuelle de l'air aux stations météor. suédoises. Upsala, 1916.

Russia.—Wild, H., Die Temperatur-Verhältnisse des Russisches Reiches. 3 vols. St. Petersburg, 1881.

Canada.—Prepared in M.O.

U.S.A.—Washington, D.C., U.S. Dept. Agric., Weather Bureau, Bulletin S. By F. H. Bigelow, 1909.

Hungary.—Rona, S., u. Fraunhoffer, L., Die Temperaturverhältnisse von Ungarn. Budapest, 1904.

Portugal (Lisbon).—J. d' Almeida Lima, Le climat de Lisbonne. Lisbon, 1912.

Italy.—Eredia, F., Il clima di Roma. Rome, 1911.

Greece (Athens).—Athens, Observatoire National, Annales.

Africa.—Brooks, C. E. P. The Reduction of Temperature Observations to Mean of 24 Hours, and the Elucidation of the Diurnal Variation, in the Continent of Africa. London, Q.J.R. Meteor. Soc., 43, 1917, p. 375.

Egypt and Sudan.—Cairo, Survey Department, Annual Report, 1907.

India.—Calcutta, Meteorological Office, Indian Meteorological Memoirs, vol. 17. Calcutta, 1904.

Tropics.—Hann, J. von, Die tägliche Gang der Temperatur in der inneren Tropenzone; Die tägliche Gang der Temperatur in der äusseren Tropenzone. 3 vols. Wien, 1905, 1907.

South America.—Supplied by Mr. R. C. Mossman.

South Georgia.—Internationale Polarforschung, 1882–3. Die Beobachtungs-Ergebnisse der Deutschen Stationen. Süd-Georgien, Berlin, 1886.

Printed under the authority of His Majesty's Stationery Office by Neill & Co., Ltd., Edinburgh.

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METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1914.

PART V.

RÉSEAU MONDIAL, 1914.

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE.

Published by the Authority of the Meteorological Committee.

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RÉSEAU MONDIAL, 1914.

PREFACE

By Sir NAPIER SHAW, LL.D., Sc.D., F.R.S.

The publication of this volume will complete five years of the Réseau Mondial. It began in 1914 after the approval of the form proposed at the meeting of the International Meteorological Committee in Rome in 1913.

The first volume to be issued was intended to be that for 1911. Charts of the results for that year were indeed published, and the work upon it was finished early in 1915, but the proofs of the tables were entirely destroyed by a fire at the printers' works, and the tables for 1912 were the first to appear, in March 1917; those for 1911 were issued in August of the same year. Those for 1913 appeared in June 1918, and, as the data for 1914 were still unattainable, those for 1910 were compiled and issued as a volume in March 1920. Now that the war is over it has become possible to make a sufficient compilation of the data to present a volume for 1914, though information for many of the Siberian stations is lacking.

The origin and purpose of this collection of data for the globe are set out in the following paragraphs, which appeared in the preface to the volume for 1911, and have been repeated in successive issues:—

"The compilation of a series of meteorological data representing the meteorology of the globe has been for a long time a cherished ambition of meteorologists, because it is generally acknowledged that the weather of any particular region is only the local result of causes which belong to the general circulation of the atmosphere, and can only be interpreted in general terms when the results for one locality can be placed in effective comparison with those for the rest of the globe.

"Summaries of results for pressure, temperature, and rainfall based on averages for a long series of years have already been given to the world. Alexander Buchan's compilation, contained in the volume of the results of the *Challenger* Expedition comprising the Report on Atmospheric Circulation, is the most notable. It includes a representation of the average distribution of pressure and temperature for each month, with tables for the individual stations, which are still a mine of reference for all who are interested in meteorology; and in the time before its publication Dove's charts of mean temperature were, and still are, counted among the best known meteorological classics, and are the basis of the maps reproduced in many works on physical geography. In the last few years comprehensive tables of extremes and averages for several hundred coast stations have been compiled in this Office and published in the various *Admiralty Pilots and Sailing Directions*.

"The gradual progress of meteorology on an international basis may be dated back to the International Congresses of 1873 at Vienna and 1879 at Rome. It has been carried on with increasing success by periodical Conferences of Directors of

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Meteorological Institutes and Observatories, with triennial meetings of the International Meteorological Committee appointed by the Conferences. It has led meteorologists to recognise that normal values are only the first beginning of the systematic study of the meteorology of the globe, and that the next important step is the compilation of monthly means of pressure, temperature, and rainfall which are the result of observations at stations in all parts of the world, conducted in accordance with the regulations laid down by the international organisation in order to secure the uniformity of practice necessary for the purposes of comparison.

"Prominent among those who have urged the study of meteorology on the scale of a *réseau mondial* is the veteran meteorologist H. H. Hildebrandsson, for many years Professor in the University of Upsala, whose memoirs on centres of action in the atmosphere also rank among classical researches in meteorology. For him the month was the accepted time-unit, while his collaborator the late Léon Teisserenc de Bort, in 1905, demanded the collection of daily data for a *réseau mondial* by telegraph, and obtained the appointment of a special commission by the International Meteorological Committee in 1907 to satisfy the demand, with which that of Professor Hildebrandsson was subsequently associated. Before that, the Solar Physics Observatory at South Kensington insisted upon the compilation of meteorological data for the globe from the point of view of the relation of solar and terrestrial changes, and in order to further that object a Solar Commission was constituted by the International Meteorological Committee at Southport in 1903 under the presidency of Sir Norman Lockyer, and held several meetings, at the last of which, in 1909, a selection of stations at the rate of two for each ten-degree square of latitude and longitude was prepared.

"The inherent difficulties of the task of compiling the data from the publications of the various meteorological institutes appearing at widely different intervals after the close of the period under review, and of supplementing them by data which are believed to exist but are not published, have hitherto proved insuperable, and various attempts have been made by individual institutes—notably by the Solar Physics Observatory, by the Indian, Australian, and Argentine Services, and especially by Professor Hildebrandsson—to collect the data necessary for special branches of research. More recently the Meteorological Institute of the Netherlands, with the assistance of the Commission for Maritime Meteorology, has initiated the collection of monthly data for selected areas of the sea, in order to supplement the available information on land.

"It was my duty, as President of the International Meteorological Committee to do what was possible to assist in meeting a demand so generally regarded as urgent, and so difficult to satisfy on account of the number of obstacles, each in itself trivial but practically deterrent by their number; and in 1910 I presented to the meeting of the International Committee at Berlin a specimen of the compilation for the month of January 1905, which was accepted as satisfactory. General support was promised to the enterprise provided it was understood that the resulting compilation would be published.

"There is a sense in which the Meteorological Office is specially called upon to take up the responsibility of a work of this kind. In response to urgent representations of various kinds it has, for some years past, made a point of collecting together the

meteorological information compiled in the various British colonies scattered over the globe which have no organised meteorological institute; the original intention was to compile a volume of meteorological data for the British Empire as a fifth part of the *British Meteorological and Magnetic Year-Book*. This was felt to be an urgent necessity, if only for the purpose of keeping in sympathetic touch with the work which is conducted sometimes under very adverse conditions and with little supervision or expert assistance. Those who have experience in supervising work carried on at a great distance from the base will recognise that the headings of columns on a form for the entry of observations are sometimes misunderstood or disregarded by the observer until his attention is called thereto; and unless the examination is done promptly and regularly it is too late. Moreover, the most effective way of examining results is to chart them; and thus, when the work came to be taken in hand, it was found desirable to have the values of neighbouring countries for the purpose of comparison; and, indeed, it became apparent that with not very much additional labour the summary might be extended beyond the limits of the British Empire to include the whole of the known globe."

It is very gratifying to me to have been able to take a part in the realisation of the general wish of all meteorologists to have in a single series of volumes a compendium of the Meteorology of the Globe, and I should like to place on record my appreciation of the energy and assiduity of Mr. C. E. P. Brooks, M.Sc., Mr. H. W. Braby, M.A., and Miss W. A. Quennell, without which, to my knowledge, the work would not have been accomplished.

After the interruption of international relations for so many years by the war, the Commission for the Réseau Mondial will meet again in London in the course of the current year, and will have an opportunity of considering this enterprise from a point of view which has never hitherto been approachable.

One cannot fail to note that probably it was not within the intention of the International Congresses, with which the idea originated, that one meteorological establishment should be held responsible for such a publication. Their plan seems to have been that each country should make its own contribution in the form of a meteorological year-book for the areas under its control. But any meteorologist who has attempted to put together information for the whole globe will realise that the differences of practice of the various Governments in respect of the material and method of arrangement, the units employed for its expression, and the time, if any, at which publication of the several contributions may be expected, place such an enterprise outside the limits of possibility for any but a few individuals, who must have at their disposal the facilities of such a library as that of the Meteorological Office. There are probably not a dozen such libraries in the world. The alternative that the few workers who deal with the meteorology of the globe should each one of them separately and severally have to go through an identical process of laborious compilation, reduction, and tabulation in order to attain a result which is of itself an indispensable stepping-stone to a comprehension of the meteorology of the globe, is sufficient to justify any establishment in making public a compilation for the benefit of the world at large. If the League of Nations had been in existence in 1873 or 1879, probably the International Conferences of those years would have addressed a request for assistance to that Institution. What would have happened thereafter

cannot now be stated. It is in the meantime satisfactory to be able to record that our efforts to display the results of the meteorology of the globe for the common benefit has had the incidental result of causing the compilation of a considerable amount of information about a number of outlying parts of the British Empire which might otherwise not have been accomplished. It is intended that from 1920 such information shall be included year by year in the *British Meteorological and Magnetic Year-Book*.

For some details as to the tables, such as the various ways of computing "means for the day," reference may be made to the prefaces of the previous volumes; they need not be repeated here. The outstanding feature of the work which perhaps may challenge discussion is the use of absolute units in the metric system for the expression of the values which are published. The adoption of such units in the publications of the Meteorological Office was inevitable after the magnetic observations at Richmond and Eskdalemuir came under the direction of the Meteorological Committee. The question was approached with the knowledge that metric units are used exclusively for all physical and chemical work in every university and high school in the United Kingdom, and that the Meteorological Office had become officially cognisant of their use and advantages when it continued the employment of them for terrestrial magnetism in 1910, and no other conclusion was regarded as reasonable.[1] The decision to adopt absolute units instead of mercury units for pressure which was then taken was immediately justified when it appeared, as it did after a few weeks of experience with absolute units, that there are really serious objections on the practical side to the employment of the arbitrary metric units as adopted on the Continent, on account of the futility of graduating an instrument like a barometer, used by lay folk as well as professionals, for temperatures at which it is practically never used, so that until corrected there is always an error large enough to vitiate the use of a reading. As to the choice of a scale for temperature, the frequent occurrence of negative values, if either the Centigrade or Fahrenheit scale is used for the records of the upper air, makes no other choice than an absolute scale possible. It is unfortunate that hand-to-mouth conditions, inevitable in war time, have obstructed the natural course of scientific procedure in this question, but for the Réseau Mondial the original reasons are still operative.

Some mention is necessary of the obvious omissions from the tables. There is no information about the sea, a very grievous omission, which at once challenges attention. Before the war it was already in process of remedy through the activity of the Meteorological Institute of the Netherlands, which, with the support of the International Commission for Marine Meteorology, initiated the compilation on an international basis of data from various selected squares of the ocean area.

The other notable omissions are water-vapour and wind, either of which is of obvious importance in any effective study of the meteorology of the globe. We have endeavoured to find an index of the state of the globe as regards wind in certain tables of daily observations of wind within the tropics, including the south-east trade wind of St Helena. The information is obviously incomplete without corresponding data for the north-east trade on the other side of the equator, and a little consideration

[1] See the *Tenth Annual Report of the Meteorological Committee*, 1914-1915, pp. 61-65 (Reprint of a communication to the *Monthly Weather Review* for January 1914).

would suggest the records of other notable winds which deserve study as possible index-winds of the globe.

As the natural correlative of information about the tropics, which is best expressed as winds, we may look for information about the ice of the polar regions. Every serious meteorologist will admit that until our knowledge of the circumpolar conditions is much more regular and complete, little progress in the actual meteorology of the globe is possible. We are therefore the more cognisant of the service which the Danish Institute renders in providing year by year its well-known summary of the state of the ice in the Arctic seas. Information from the Antarctic is not available to the same extent, but such observations as are known are tabulated here.

So far we have done nothing about water-vapour, though wet-bulb temperatures have come to be recognised as of vital consequence in more ways than one. Humidity draws the first line of intolerance in the consideration of climate, and water-vapour is the most energetic of all meteorological agencies.

These omissions have been allowed to pass partly for lack of opportunity to work out the changes in detail that a remedy would involve. At present a month of data takes eight pages, and the sheets are already full. Additional information would require a new framework or new sizes. That might have been managed if the necessary information had been at hand. Now that the first quinquennium has been achieved, the time has arrived when the International Commission might take up the question of these and other changes which are desirable.

In compiling the data for 1914 a further comprehensive revision of the normals has been made, with a view to obtaining a body of data which will need little revision for a period of five years. Further, the list of stations has been increased, partly as a result of suggestions put forward in September 1919, at the Congress of Meteorologists of the Dominions, by Captain A. J. Bamford for Ceylon, by Mr. H. Knox-Shaw for Egypt and the Sudan, and by Dr. G. T. Walker for India.

The stations added are as follows:—

Zone 2. Lat. 70°–60° N. 204 Candle, 206 Rampart, 214 Fort Resolution.
Zone 3. Lat. 60°–50° N. 305 Kodiak, 325 Ungava (Fort Chimo).
Zone 7. Lat. 20°–10° N. 745 Berbera.
Zone 8. Lat. 10° N.–0°. 819*a* Colon, 820 Bogota, 852*a* Newera Eliya, 861*a* Menado.
Zone 9. Lat. 0°–10° S. 925 Turyassu, 943*a* Masaka, 963 Manokwari.
Zone 12. Lat. 30°–40° S. 1222*a* Concepcion, 1272 Napier.
Zone 13. Lat. 40°–50° S. 1370 Invercargill.
Zone 14. Lat. 50°–60° S. 1424*a* Año Nuevo.

In addition, the following substitutions have been made:—

Zone 5. Lat. 40°–30° N. 540 Riposto for Catania.
Zone 6. Lat. 30°–20° N. 633 La Laguna for Puerto de Orotava, 634 Cañadas del Teide for Las Palmas, 641 Siwa for Wadi Halfa, 643 Tor for Suez.
Zone 7. Lat. 20°–10° N. 738 Kaduna for Kontagora, 744 Port Sudan for Kadugli, 752 Bangalore for Mysore.
Zone 8. Lat. 10° N.–0°. 842 Malakal for Kafia Kingi, 844 Mongalla for Nandi, 853 Trincomalee for Candy.

Zone 9. Lat. 0°–10° S. 943 Mbarara for Daressalam.
Zone 10. Lat. 10°–20° S. 1045 Sainte Marie for Tamatave.
Zone 13. Lat. 40°–50° S. 1321 Isla Huafo for Punta Corona.

Owing to the loss of several stations in Siberia and Mexico and South Africa, the number of stations in this volume is only 392.

The volume for 1914 also contains certain changes in the table of wind directions. For St Helena the direction is given four times daily instead of once, and for each of the wind stations the resultant wind is compared with the normal resultant.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1914.

THE following tables deal with the meteorology of the globe month by month for the year 1914. As far as the available data permitted, two stations have been included for each ten-degree square, and in some cases, chiefly in Western Europe, three. All the stations are land stations, no marine data being included. The majority of the stations are under the control of the various Government Meteorological Services, and may therefore be regarded as giving comparable records. In other cases information as to the exposure of the instruments is often lacking, and then it is not certain that standard conditions have obtained. No observations are included that are known to be faulty in this respect. The elements dealt with are barometric pressure, temperature of the air, and precipitation. Absolute units related to the metric system are employed throughout.

Numbering of the Stations.—The stations are divided according to their latitude into sixteen ten-degree zones, numbered from North to South, Zone 1 being from 80° to 70° North, and Zone 16 from 70° to 80° South. Each of these zones is divided at every tenth degree of longitude, into thirty-six ten-degree squares. Each square normally contains two stations, so that to each square in the zone, starting from 180° (Greenwich longitude) and proceeding eastward, two numbers are assigned. The stations within the ten degrees between longitude 180° W. and 170° W. are thus numbered 1, 2, those between 170° W. and 160° W. 3, 4, and so on; those between 170° E. and 180° E. are numbered 71, 72. To the numbers of the stations in each zone is prefixed the number of the zone, the whole making a system of numeration for the stations, *e.g.* in Zone 1, Nos. 101, 102 . . . 171, 172; in Zone 10, Nos. 1001, 1002 . . . 1072. Where there are three stations in a ten-degree square, the third station is designated by the number of the first or second station with the letter *a* attached.

Pressure.—The readings of barometric pressure are reduced to mean sea level when the height of the cistern is accurately known and does not exceed a thousand metres. Above this height the readings are not, as a rule, reduced. The tables employed in the reductions are based on those in the International Meteorological Tables, the mean temperature at the station for the month being taken to represent the temperature of the column of air. Owing to the low temperatures recorded in Canada and Siberia, this probably makes the sea-level pressures there during the winter months artificially high. In the reduction of pressure to sea-level a knowledge of the zero datum line to which height is referred in each country is of importance. A list which gives this information for European countries is appended (p. x). The hours of observation to which the barometer readings refer are shown in the table of authorities at the end of the monthly tables. In many cases the figures are means of hourly values, for others a table is given at the end of this Introduction, showing the corrections which must be applied to the readings if it is wished to reduce the values given to twenty-four hourly means. These corrections are not available for all stations.

Differences from normal are given wherever average values were obtainable; where

both station-level and sea-level readings for the month are given, the differences refer to the latter, except at stations under the charge of the Indian Meteorological Service. The periods covered by the averages vary; it was not possible to employ a homogeneous series, owing to the late commencement of many of the tropical stations.

Temperature.—The tables of temperature include the means of the daily readings of the maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature, obtained from the mean maximum and mean minimum or from observations at fixed hours, and a column showing the observed or deduced mean of twenty-four hourly values. The normals, like those of pressure, are for varying periods, but in all cases they are based on the same combination of values as the current data.

Precipitation.—The term precipitation includes besides rain, snow, hail, and (if in measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—At the foot of the tables of "Daily Observations of Wind within the Tropics," the "Resultant Direction" and "Constancy" are tabulated. The observations of wind direction are given equal weight irrespective of the strength of the wind, each observation being represented by a unit vector in the appropriate direction. Supposing that N is the number of observations, including the number of calms, that R is the magnitude of the vector sum of the unit vectors, and that θ is the angle which this vector sum makes with north ($N = 0^\circ$, $E = 90^\circ$, $S = 180^\circ$, $W = 270^\circ$), then θ is given for the "Resultant Direction," whilst the "Constancy" is 100 R/N.

Standard of Time.—The standard of time to which the hours of observation refer is either local time or local standard time. As a rule, at stations unconnected with a Government Weather Service local time is employed, while the Government Services employ local standard time for all the stations within their district.

Tables of Authorities.—The publications of the various Meteorological Institutes, from which the data are taken, are shown in the "Tables of Authorities, etc." at the end of the volume. The letters **P, T, R** refer to Pressure, Temperature, and Precipitation. In some cases the data for 1914 are not yet published by the institutions responsible for them, and advance copies in manuscript have been kindly supplied by the directors. The data for some stations in the British Crown Colonies exist in manuscript at this Office, but have not yet been published in any other form. The positions and heights of the stations, and the spelling of the names, have been taken, wherever possible, from the official publications.

Table I. gives corrections based, where possible, on averages of several years, which must be applied in order to reduce to true or twenty-four hourly means the values of pressure contained in the monthly tables.

Tables II.–V. show the equivalents of inches and millimetres of mercury, degrees Fahrenheit, and inches of rainfall in terms of the units adopted in this publication.

Heights above M. S. L.—The definition of normal zero in the various National Surveys of Europe is as follows:—

Austria-Hungary.—Normal zero is by definition 3·352 m. below bench mark at Trieste, and is 0·09 m. below the mean level of the Adriatic.

British Isles.—Normal zero is the Ordnance datum, which in Great Britain is the assumed mean level of the sea at Liverpool, and is 0·20 m. below the mean level of the

seas of the British Isles; in Ireland it is low water of spring tides in Dublin Bay, 6·4 m. below a mark on the base of Poolbeg Lighthouse. This is 2·4 m. (7 feet) below English Ordnance Survey datum, and this amount has been subtracted from the heights of Irish stations in the publications of the Meteorological Office, in order to make them comparable with stations in Great Britain.

Belgium.—Normal zero is the mean level of the North Sea at Ostend by definition, and from twenty-seven years' observations of the tide gauge there, is 0·006 m. below this mean sea level.

Denmark.—Normal zero is by definition 5·615 m. below the fundamental bench mark on Aarbus Cathedral.

France.—Normal zero is the mean level of the Mediterranean calculated on the period 1st February 1885 to 1st January 1895. The level of the period 1885–1908 was 0·02 m. lower.

From these is deducted the value of +1·66 m. as the altitude of the fundamental bench mark of France.

Germany.—Zero, except for Hamburg and Hesse, is "Normal Null," which was determined as being at the level of the zero of Amsterdam. By definition it is 37·000 m. below a fundamental bench mark at Berlin Observatory.

(Definition and original determination agree closely according to verifications in 1890).

Holland.—Normal zero is known as A.P. or Amsterdamsche Peil, and corresponds with the mean high water at Amsterdam before the construction of the Nordzeekanaal. Mean sea level at Amsterdam is 0·162 m. lower.

Italy.—Zero corresponds to the mean level of the Mediterranean on the Italian coasts, which has been determined from eleven to twenty-four years' observations at thirteen stations.

Norway.—Normal zero is at the Geographical Institute of Norway, and it is provisionally referred to the mean level of the Arctic Ocean as deduced from three years' observations of the tide-gauge at Narvik.

Portugal.—No normal zero. Provisional reference point is at Cascaes tide-gauge, which is 5·112 m. above mean sea level as determined from twenty-seven years' observations.

Roumania.—Mean fundamental zero corresponds to the mean level of the Black Sea as deduced from eight years' observations at Constanza.

Russia.—Normal zero is the zero of the tide-gauge at Kronstadt. This is 0·023 m. above mean sea level of the Baltic as determined from thirty years' observations.

Spain.—Altitudes provisionally referred to a bench mark at Alicante which is 3·394 m. above the mean sea level of the Mediterranean, as determined from twenty years' observations.

Sweden.—Normal zero is by definition 11·8 m. below the zero of a scale in the General Staff Offices at Stockholm.

Switzerland.—Fundamental bench mark is the provisional zero, and is at Geneva. It is by definition 373·600 m. above the general mean sea level.

Most of these levelling systems have been connected and more or less effectively compared. The differences are in most cases under 0·5 m., but France~Spain, Spain~Portugal, are 2 to 3 metres.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 1.													
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Zone 2.													
Sitka for Nome, 19 h. (8)	+0·2	+0·2	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	+0·1
Jacobshavn, ⅓ (8+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Godthaab, ⅓ (8+14+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Helsingfors for Kuopio, ⅓ (7+13+21) (8)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, 7 h. (1)	+0·3	+0·3	+0·1	0·0	−0·2	−0·2	−0·2	−0·1	0·0	+0·2	+0·3	+0·3	+0·1
Petrozavodsk, 7 h. (1)	+0·2	+0·2	+0·2	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Arkhangelsk, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·2
Oust-Tsylma, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·1
Zone 3.													
Sitka for Dutch Harbour, 15 h. (8) ..	+0·1	0·0	0·0	−0·2	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	+0·1	0·0	−0·1
Sitka, 16 h. (8)	+0·1	+0·1	+0·1	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	+0·2	0·0	0·0
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (5+17) (1) ..	+0·2	+0·2	+0·2	+0·3	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ⅓ (7+13+20) (1)	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0
Moose Jaw for Prince Albert and Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for York Factory, ½ (8+18) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Moose Factory, ⅓ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, 7 h. (11)	+0·1	+0·1	+0·1	−0·1	−0·3	−0·4	−0·3	−0·2	−0·1	0·0	+0·1	+0·2	−0·1
Petrograd, 7 h. (2)	+0·2	+0·2	+0·2	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Kiev, 7 h. (1)	+0·1	+0·1	0·0	−0·1	−0·2	−0·3	−0·3	−0·3	−0·1	0·0	0·0	+0·1	−0·1
Moscow, 7 h. (1)	+0·1	+0·2	+0·4	0·0	+0·1	−0·1	−0·2	0·0	+0·1	+0·1	+0·1	0·0	0·0
Saratov, 7 h. (1)	+0·1	−0·1	−0·1	−0·4	−0·5	−0·6	−0·5	−0·4	−0·4	−0·2	−0·1	+0·2	−0·3
Orenburg, 7 h. (1)	0·0	−0·1	−0·1	−0·4	−0·5	−0·6	−0·6	−0·4	−0·4	−0·2	−0·1	+0·2	−0·3
Perm, 7 h. (1)	+0·1	+0·1	0·0	−0·1	−0·3	−0·3	−0·3	−0·1	0·0	+0·1	+0·2	+0·2	0·0
Ekaterinburg, 7 h. (2)	+0·1	+0·1	0·0	−0·1	−0·3	−0·2	−0·2	−0·1	0·0	+0·1	+0·2	+0·1	0·0
Tobolsk, 7 h. (1)	+0·2	+0·1	0·0	−0·1	−0·2	−0·2	−0·2	−0·1	0·0	+0·1	+0·2	+0·1	0·0
Akmolinsk, 7 h. (1)	0·0	−0·1	−0·2	−0·3	−0·5	−0·6	−0·4	−0·4	−0·4	−0·2	+0·1	0·0	−0·2
Omsk, 7 h. (1)	+0·1	−0·1	−0·1	−0·2	−0·4	−0·4	−0·4	−0·4	−0·3	−0·2	0·0	0·0	−0·2
Barnaoul, 7 h. (2)	+0·2	0·0	−0·1	−0·1	−0·3	−0·2	−0·1	−0·1	−0·2	0·0	+0·2	0·0	−0·1
Tomsk, 7 h. (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0	−0·1
Irkutsk, 7 h. (2)	−0·3	−0·4	−0·7	−1·0	−1·1	−1·1	−1·0	−0·6	−0·4	−0·5	+0·2	−0·1	−0·6
Tchita, 7 h. (1)	−0·1	−0·3	−0·6	−0·8	−0·9	−1·0	−0·8	−0·7	−0·6	−0·4	+0·1	+0·1	−0·5
Nertchinsk, 7 h, (2)	0·0	−0·2	−0·5	−0·7	−0·7	−1·0	−0·7	−0·7	−0·7	−0·3	0·0	+0·2	−0·4
Zone 4.													
Winnipeg, ⅓ (7+14+19) (1) (and for Port Arthur)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
St. John, N.B., ⅓ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1
Rome, ⅓ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Buda Pesth, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Odessa, 7 h. (11)	+0·1	+0·2	0·0	−0·1	−0·1	−0·1	−0·4	−0·4	−0·1	+0·1	−0·1	+0·1	−0·1
Kharkov, 7 h. (1)	−0·1	0·0	0·0	−0·2	−0·3	−0·5	−0·4	−0·5	−0·4	−0·3	−0·2	−0·2	−0·3
Novorossiisk, 7 h. (1)	−0·3	−0·2	−0·3	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·5	−0·3	−0·3	−0·5

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 4—continued.													
Tiflis, 7 h. (2)	−0·2	−0·2	−0·6	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·7	−0·4	−0·3	−0·7
Astrakhan, 7 h. (1)	−0·1	−0·2	−0·3	−0·7	−0·8	−0·8	−0·7	−0·7	−0·8	−0·5	−0·3	−0·1	−0·5
Fort Alexandrovsk, 7 h. (1)	−0·1	−0·2	−0·3	−0·7	−0·8	−0·9	−0·8	−0·8	−0·8	−0·5	−0·3	−0·1	−0·5
Tachkent, 7 h. (1)	−0·1	−0·2	−0·5	−0·9	−0·9	−0·9	−0·7	−0·9	−0·9	−0·7	−0·3	−0·2	−0·6
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Krasnovodsk, 7 h. (1)	−0·1	−0·2	−0·4	−0·7	−0·8	−0·9	−0·8	−0·9	−0·8	−0·5	−0·4	−0·2	−0·6
Zone 5.													
Madeira, ⅓ (9+15+21) (1)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2
Metlaoui for Tunis, ⅓ (7+13+19) (1)	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	0·0	+0·1
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·9	−0·8	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Riposto, ⅓ (9+15+21) (2) ..	0·0	0·0	0·0	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, 8 h. (1)	−0·4	−0·5	−0·5	−0·5	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·2	−0·3	−0·3
Cairo (Helwan), 8 h. (5)	−0·7	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·7	−0·8
Lenkoran, 7 h. (1)	−0·2	−0·2	−0·4	−0·8	−0·8	−0·9	−0·8	−0·9	−0·8	−0·5	−0·4	−0·2	−0·6
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hangkow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tiensin, ⅓ (6+14+22) (8)	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Nassau, Bahamas, ⅓ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Dakhla Oasis, 8 h. (1)	−0·7	−0·3	−0·3	−0·4	−0·5	−0·5	−0·5	−0·4	−0·4	−0·3	−0·7	−0·5	−0·5
Aswan, 8 h. (1)	−1·6	−1·6	−1·7	−1·5	−1·7	−1·3	−1·1	−1·1	−1·3	−1·3	−1·6	−1·6	−1·5
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Kurrachee, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Hyderabad, Sind, 8 h. (6)	−1·3	−1·3	−1·5	−1·4	−1·5	−1·3	−1·1	−1·0	−1·2	−1·4	−1·4	−1·3	−1·3
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Phu Lien for Moncay, ½ (10+16) (9)	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Zone 7.													
Mexico for Morelia and Oaxaca, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Haiti for St. Croix, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0
Barbados, ½ (9+15) (1)	−0·2	−0·2	−0·1	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
El Obeid, 8 h. (1)	−2·8	−2·1	−2·3	−1·0	−1·9	−1·8	−1·6	−0·8	−1·6	−2·0	−1·7	−0·9	−1·7
Khartoum, 8 h. (1)	−1·7	−1·6	−1·9	−2·0	−2·1	−2·0	−1·6	−1·6	−1·8	−1·7	−1·8	−1·7	−1·8
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Waltair, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Zone 8.													
Sansane Mangu (for Nigerian Stas.), 9 h. (1)	(−2·5)	(−2·7)	(−2·5)	(−2·3)	(−1·9)	−1·9	−1·8	−2·0	−2·0	−1·9	−2·3	−2·4	−2·2
Entebbe, ⅓ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Singapore, ⅓ (9+15+21) (2) (and for Penang)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Zone 9.													
Malden Island, 9 h. (1)	−1·4	−1·4	−1·6	−1·6	−1·6	−1·2	−1·5	−1·5	−1·6	−1·6	−1·4	−1·3	−1·5
Quixeramobim, ⅓ (7+14+21) (1) ..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 10.													
Apia, Samoa, $\frac{1}{3}$ (7+14+21) (10) ..	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	−0·2	−0·1	0·0
Alofi, Niue Island, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Derby, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, $\frac{1}{2}$ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2
Port Darwin, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, $\frac{1}{2}$ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Georgetown, Queensland, $\frac{1}{2}$ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Onslow, $\frac{1}{2}$ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·1
Nullagine, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, $\frac{1}{2}$ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3	+0·3
Alice Springs, $\frac{1}{2}$ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, $\frac{1}{2}$ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Boulia, $\frac{1}{2}$ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, $\frac{1}{2}$ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, $\frac{1}{2}$ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, $\frac{1}{2}$ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Santiago, $\frac{1}{3}$ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Breaksea Island for Katanning, $\frac{1}{2}$ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, $\frac{1}{2}$ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, $\frac{1}{2}$ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, $\frac{1}{2}$ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1
Bourke, $\frac{1}{2}$ (9+15) (1)	+0·1	+0·2	+0·2	+0·3	+0·4	+0·4	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3
Zone 13.													
Hobart for Launceston, $\frac{1}{2}$ (9+15) (1) ..	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
South Georgia, $\frac{1}{3}$ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

(1) Prepared in M.O.
(2) Buchan, A., *Report on . . . Voyage of H.M.S. "Challenger,"* 1873–76. ***Physics and Chemistry***, vol. ii. part v. *Report on Atmospheric Circulation.* London, 1889.
(3) Eredia, F., *Il clima di Roma*, 1911.
(4) Lima, A., *Le climat de Lisbonne*, 1912.
(5) Cairo, Scientific Department, *Meteorological Report for* 1910, part i. table 2.
(6) *Indian Meteorological Memoirs*, vol. xvii.
(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.
(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.
(9) Le Cadet, G., *Le climat du Delta du Tonkin*, 1911.
(10) Tetens, O., u. Linke, F., *Das Klima von Samoa*, 1910.
(11) Gorczynski, Wl., *Pression atmosphérique en Pologne et en Europe*, 1917.
(12) Hann, J. von, *Die Anomalien der Witterung auf Island*, . . ., 1904.

BIBLIOGRAPHY OF THE METEOROLOGY OF THE GLOBE.

The following list contains, in chronological order, some of the more important works dealing with the normal distribution of pressure, wind, temperature, and rainfall over the globe, or with departures from the normal distribution.

1723. JURIN, JAMES, An invitation for making meteorological observations. London, Phil. Trans. R. Soc., 1723. [Instructions to observers, and a request for meteorological journals to be sent to the Royal Society for publication.]
1817. HUMBOLDT, A. VON, De distributione geographica plantarum secundum coeli temperiem et altitudinem montium prolegomena, 8vo, Paris, 1817. [Contains: Carte des lignes isothermes (lat. 20–70° N.).]
1817. HUMBOLDT, A. VON, Des lignes isothermes, et de la distribution de la chaleur sur le globe, Paris, Mém. phys. chem. Soc. d'Arcueil, 3, 1817, pp. 462–602.
1849. DOVE, H. W., Monatsisothermen. Berlin, 1849.
1852. DOVE, H. W., Die Verbreitung der Wärme auf der Oberfläche der Erde erläutert durch Isothermen, thermische Isonomalien und Temperaturcurven. 26 pp., 7 maps, 2 plates, sm. fo, Berlin, 1852. [Contains monthly charts of temperature distribution.]
1857. DOVE, H. W., Klimatologische Beiträge, Th. 1, Berlin, 1857, pp. 296. [Contains IV.–VI., Ueber die Vertheilung des Regens auf der Oberfläche der Erde.]
1869. BUCHAN, A., The mean pressure of the atmosphere and the prevailing winds over the globe for the months and for the year. Edinburgh, Trans. R. Soc., 25, 1869, pp. 575–637. [Contains monthly charts of pressure and wind for the globe.]
1869. DOVE, H. W., Klimatologische Beiträge, Th. 2, Berlin, 1869, pp. 314. [Contains Verbreitung der Wärme auf der nördlichen Erdhälfte, pp. 50–132; Abweichungen der Jahre 1856–1868 von vieljährigen Mitteln, pp. 133–211.]
1876. WASHINGTON, SMITHSONIAN INSTITUTION, The winds of the globe: or the laws of atmospheric circulation over the surface of the globe. By J. H. Coffin, . . . completed by S. J. Coffin. With a discussion . . . by A. Woeikoff. pp. xxv+756, 26 plates, fo, Washington, 1876.
1882. LOOMIS, E., Contributions to meteorology, 16th paper. Mean annual rainfall for different countries of the globe. New Haven, Conn., Amer. J. Sci., 23, 1882, pp. 1–18. [Contains chart of mean annual rainfall.]
1883. HANN, J. VON, Handbuch der Klimatologie, 8vo., Stuttgart, 1883. [Contains normals of temperature and precipitation.]
1884. SUPAN, ALEXANDER, Grundzüge der physischen Erdkunde, pp. 492, 20 plates, 8vo., Leipzig, 1884. [Contains charts of pressure, wind, temperature, and rainfall distribution.]
1884. TEISSERENC DE BORT, L., Étude sur la distribution moyenne de la nebulosité à la surface du globe, d'après les premières cartes d'isonèphes. Paris, Ann. Bur. centr. météor., 1884, pt. 4, pp. 27–66, 13 plates.
1887. HANN, J. VON, Atlas der Meteorologie. Berghaus' Phys. Atlas, Abt. 3, fo, 1887. [Contains isotherms and isobars for January, July, and Year; and Annual Rainfall.]
1887. WOEIKOFF, A., Die Klimate der Erde. 2 vols., 8vo, Jena, 1887.
1889. EDINBURGH, "CHALLENGER" OFFICE, Report on the scientific results of the voyage of H.M.S. "Challenger" during the years 1873–76 . . . Physics and chemistry, vol. 2, pt. 5: Report on atmospheric circulation, by A. Buchan, la. 4to, London, 1889. [Contains monthly tables and charts of pressure, wind, and temperature based on long-period averages.]
1891. GREELEY, A. W., International pressure and storm charts. Washington, D.C., Signal Office, Report . . . 1891, App. 17. [Contains monthly pressure and wind tables and polar charts for N. hemisphere for 10 years, 1878–1887.]
1893. TEISSERENC DE BORT, L., Report on the present state of our knowledge respecting the general circulation of the atmosphere. Presented to Meteor. Congr. at Chicago, August 1893, 4to.
1897. HANN, J. VON, Handbuch der Klimatologie, 2 Aufl., 3 vols., 8vo, Stuttgart, 1897. [Normals of temperature and precipitation.]
1897. HILDEBRANDSSON, H. H., Quelques recherches sur les centres d'action de l'atmosphère, 1–5. Stockholm, K. Svensk. Vetensk.-Akad. Handl., 1897–1914.
1898. SUPAN, A., Die Vertheilung des Niederschlages auf der festen Erdoberfläche. Petermann's Geog. Mitt., Gotha, Erganz.H. 124, 1898. [Contains annual and seasonal rainfall maps.]
1899. Bartholomew's Physical Atlas; vol. 3, Atlas of meteorology, . . . prepared by J. G. Bartholomew and A. J. Herbertson, and edited by A. Buchan. fo., 1899. [Contains monthly and annual world isobars, isotherms, and isohyets.]
1900. ST PETERSBURG, OBSERVATOIRE PHYSIQUE CENTRALE NICHOLAS, Atlas climatologique de l'empire de Russie. fo, St Petersburg, 1900.
1901. HERBERTSON, A. J., The distribution of rainfall over the land. 8vo, London, 1901. [Monthly and annual world isohyets.]
1907. HILDEBRANDSSON, H. H., and TEISSERENC DE BORT, L., Les bases de la météorologie dynamique. 3 vols., la. 8vo., Paris, 1907.
1908. LONDON, SOLAR PHYSICS OBSERVATORY, Monthly mean values of barometric pressure for 73 selected stations over the earth's surface, . . . compiled . . . under the direction of Sir Norman Lockyer. la. 4to, London, 1908.
1910–1913. ARCTOWSKI, HENRYK, Studies on climate and crops, Nos. 1–5, New York, N.Y., Bull. Amer. Geog. Soc., 1910–1913.
1911. HANN, J. VON, Handbuch der Klimatologie, 3 Aufl. 3 vols., 8vo, Stuttgart, 1908–1911. [Normals of temperature and precipitation.]
1913. ARCTOWSKI, H. See 1910.
1913. EXNER, F. M., Über monatliche Witterungsanomalien auf der nördlichen Erdhälfte im Winter. Wien, Sitzber. Ak. Wiss., 122, 1913, 2a, pp. 1165–1240.
1914. HILDEBRANDSSON, H. H. See 1897.

TABLES FOR CONVERTING FROM BRITISH TO METRIC UNITS, AND *VICE VERSA*.

TABLE II.—PRESSURE. *Equivalents in Millibars of Inches of Mercury at 32° F. and 45° Latitude.*

For brevity, the fundamental equations may be written :—

g_{45} = 980·617 cm/sec².
density of mercury at normal freezing-point of water = 13·5955.
1 mercury-inch = 33·8632 millibars ; 1 millimetre = 1·33320 millibars.
1000 millibars = 1 bar = 29·5306 mercury-inches = 750·076 millimetres.
using 1 inch = 2·54000 cm.

Inches and Tenths.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
27·0	914·3	914·6	915·0	915·3	915·7	916·0	916·3	916·7	917·0	917·4
27·1	917·7	918·0	918·4	918·7	919·0	919·4	919·7	920·1	920·4	920·7
27·2	921·1	921·4	921·8	922·1	922·4	922·8	923·1	923·4	923·8	924·1
27·3	924·5	924·8	925·1	925·5	925·8	926·2	926·5	926·8	927·2	927·5
27·4	927·9	928·2	928·5	928·9	929·2	929·5	929·9	930·2	930·6	930·9
27·5	931·2	931·6	931·9	932·3	932·6	932·9	933·3	933·6	933·9	934·3
27·6	934·6	935·0	935·3	935·6	936·0	936·3	936·7	937·0	937·3	937·7
27·7	938·0	938·3	938·7	939·0	939·4	939·7	940·0	940·4	940·7	941·1
27·8	941·4	941·7	942·1	942·4	942·8	943·1	943·4	943·8	944·1	944·4
27·9	944·8	945·1	945·5	945·8	946·1	946·5	946·8	947·2	947·5	947·8
28·0	948·2	948·5	948·8	949·2	949·5	949·9	950·2	950·5	950·9	951·2
28·1	951·6	951·9	952·2	952·6	952·9	953·2	953·6	953·9	954·3	954·6
28·2	954·9	955·3	955·6	956·0	956·3	956·6	957·0	957·3	957·7	958·0
28·3	958·3	958·7	959·0	959·3	959·7	960·0	960·4	960·7	961·0	961·4
28·4	961·7	962·1	962·4	962·7	963·1	963·4	963·7	964·1	964·4	964·8
28·5	965·1	965·4	965·8	966·1	966·5	966·8	967·1	967·5	967·8	968·1
28·6	968·5	968·8	969·2	969·5	969·8	970·2	970·5	970·9	971·2	971·5
28·7	971·9	972·2	972·6	972·9	973·2	973·6	973·9	974·2	974·6	974·9
28·8	975·3	975·6	975·9	976·3	976·6	977·0	977·3	977·6	978·0	978·3
28·9	978·6	979·0	979·3	979·7	980·0	980·3	980·7	981·0	981·4	981·7
29·0	982·0	982·4	982·7	983·0	983·4	983·7	984·1	984·4	984·7	985·1
29·1	985·4	985·8	986·1	986·4	986·8	987·1	987·5	987·8	988·1	988·5
29·2	988·8	989·1	989·5	989·8	990·2	990·5	990·8	991·2	991·5	991·9
29·3	992·2	992·5	992·9	993·2	993·5	993·9	994·2	994·6	994·9	995·2
29·4	995·6	995·9	996·3	996·6	996·9	997·3	997·6	997·9	998·3	998·6
29·5	999·0	999·3	999·6	1000·0	1000·3	1000·7	1001·0	1001·3	1001·7	1002·0
29·6	1002·4	1002·7	1003·0	1003·4	1003·7	1004·0	1004·4	1004·7	1005·1	1005·4
29·7	1005·7	1006·1	1006·4	1006·8	1007·1	1007·4	1007·8	1008·1	1008·4	1008·8
29·8	1009·1	1009·5	1009·8	1010·1	1010·5	1010·8	1011·2	1011·5	1011·8	1012·2
29·9	1012·5	1012·8	1013·2	1013·5	1013·9	1014·2	1014·5	1014·9	1015·2	1015·6
30·0	1015·9	1016·2	1016·6	1016·9	1017·3	1017·6	1017·9	1018·3	1018·6	1018·9
30·1	1019·3	1019·6	1020·0	1020·3	1020·6	1021·0	1021·3	1021·7	1022·0	1022·3
30·2	1022·7	1023·0	1023·3	1023·7	1024·0	1024·4	1024·7	1025·0	1025·4	1025·7
30·3	1026·1	1026·4	1026·7	1027·1	1027·4	1027·7	1028·1	1028·4	1028·8	1029·1
30·4	1029·4	1029·8	1030·1	1030·5	1030·8	1031·1	1031·5	1031·8	1032·2	1032·5
30·5	1032·8	1033·2	1033·5	1033·8	1034·2	1034·5	1034·9	1035·2	1035·5	1035·9
30·6	1036·2	1036·6	1036·9	1037·2	1037·6	1037·9	1038·2	1038·6	1038·9	1039·3
30·7	1039·6	1039·9	1040·3	1040·6	1041·0	1041·3	1041·6	1042·0	1042·3	1042·6
30·8	1043·0	1043·3	1043·7	1044·0	1044·3	1044·7	1045·0	1045·4	1045·7	1046·0
30·9	1046·4	1046·7	1047·1	1047·4	1047·7	1048·1	1048·4	1048·7	1049·1	1049·4

Thousandths of an Inch.									
Inch	·001	·002	·003	·004	·005	·006	·007	·008	·009
Millibars	·0	·1	·1	·1	·2	·2	·2	·3	·3

TABLE III.—PRESSURE. *Equivalents in Millibars of Millimetres of Mercury at 0° C. and 45° Latitude.*

Millimetres.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
700	933·2	934·6	935·9	937·2	938·6	939·9	941·2	942·6	943·9	945·2
710	946·6	947·9	949·2	950·6	951·9	953·2	954·6	955·9	957·2	958·6
720	959·9	961·2	962·6	963·9	965·2	966·6	967·9	969·2	970·6	971·9
730	973·2	974·6	975·9	977·2	978·6	979·9	981·2	982·6	983·9	985·2
740	986·6	987·9	989·2	990·6	991·9	993·2	994·6	995·9	997·2	998·6
750	999·9	1001·2	1002·6	1003·9	1005·2	1006·6	1007·9	1009·2	1010·6	1011·9
760	1013·2	1014·6	1015·9	1017·2	1018·6	1019·9	1021·2	1022·6	1023·9	1025·2
770	1026·6	1027·9	1029·2	1030·6	1031·9	1033·2	1034·6	1035·9	1037·2	1038·6
780	1039·9	1041·2	1042·6	1043·9	1045·2	1046·6	1047·9	1049·2	1050·6	1051·9

Tenths of a Millimetre.									
Millimetre.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Millibars.	0·1	0·3	0·4	0·5	0·7	0·8	0·9	1·1	1·2

TABLE IV.—TEMPERATURE. *Degrees Fahrenheit to Degrees Absolute.*

The equations are $A = 273 + \frac{5}{9}(F - 32)$, $F = 32 + \frac{9}{5}(A - 273)$.

Degrees Fahrenheit.	0	1	2	3	4	5	6	7	8	9
	Degrees Absolute.									
−100	199·7	199·1	198·6	198·0	197·4	196·9	196·3	195·8	195·2	194·7
90	205·2	204·7	204·1	203·6	203·0	202·4	201·9	201·3	200·8	200·2
80	210·8	210·2	209·7	209·1	208·6	208·0	207·4	206·9	206·3	205·8
70	216·3	215·8	215·2	214·7	214·1	213·6	213·0	212·4	211·9	211·3
60	221·9	221·3	220·8	220·2	219·7	219·1	218·6	218·0	217·4	216·9
50	227·4	226·9	226·3	225·8	225·2	224·7	224·1	223·6	223·0	222·4
40	233·0	232·4	231·9	231·3	230·8	230·2	229·7	229·1	228·6	228·0
30	238·6	238·0	237·4	236·9	236·3	235·8	235·2	234·7	234·1	233·6
20	244·1	243·6	243·0	242·4	241·9	241·3	240·8	240·2	239·7	239·1
10	249·7	249·1	248·6	248·0	247·4	246·9	246·3	245·8	245·2	244·7
− 0	255·2	254·7	254·1	253·6	253·0	252·4	251·9	251·3	250·8	250·2
+ 0	255·2	255·8	256·3	256·9	257·4	258·0	258·6	259·1	259·7	260·2
10	260·8	261·3	261·9	262·4	263·0	263·6	264·1	264·7	265·2	265·8
20	266·3	266·9	267·4	268·0	268·6	269·1	269·7	270·2	270·8	271·3
30	271·9	272·4	273·0	273·6	274·1	274·7	275·2	275·8	276·3	276·9
40	277·4	278·0	278·6	279·1	279·7	280·2	280·8	281·3	281·9	282·4
50	283·0	283·6	284·1	284·7	285·2	285·8	286·3	286·9	287·4	288·0
60	288·6	289·1	289·7	290·2	290·8	291·3	291·9	292·4	293·0	293·6
70	294·1	294·7	295·2	295·8	296·3	296·9	297·4	298·0	298·6	299·1
80	299·7	300·2	300·8	301·3	301·9	302·4	303·0	303·6	304·1	304·7
90	305·2	305·8	306·3	306·9	307·4	308·0	308·6	309·1	309·7	310·2
100	310·8	311·3	311·9	312·4	313·0	313·6	314·1	314·7	315·2	315·8
110	316·3	316·9	317·4	318·0	318·6	319·1	319·7	320·2	320·8	321·3
120	321·9	322·4	323·0	323·6	324·1	324·7	325·2	325·8	326·3	326·9
+130	327·4	328·0	328·6	329·1	329·7	330·2	330·8	331·3	331·9	332·4

Tenths of a Degree.									
Degrees Fahrenheit.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Degrees Absolute.	0·1	0·1	0·2	0·2	0·3	0·3	0·4	0·4	0·5

TABLE V.—RAINFALL. *Inches to Millimetres.*

Inches.	0	1	2	3	4	5	6	7	8	9
	Millimetres.									
0·0	0·00	0·25	0·51	0·76	1·02	1·27	1·52	1·78	2·03	2·29
0·1	2·54	2·79	3·05	3·30	3·56	3·81	4·06	4·32	4·57	4·83
0·2	5·08	5·33	5·59	5·84	6·10	6·35	6·60	6·86	7·11	7·37
0·3	7·62	7·87	8·13	8·38	8·64	8·89	9·14	9·40	9·65	9·91
0·4	10·16	10·41	10·67	10·92	11·18	11·43	11·68	11·94	12·19	12·45
0·5	12·70	12·95	13·21	13·46	13·72	13·97	14·22	14·48	14·73	14·99
0·6	15·24	15·49	15·75	16·00	16·26	16·51	16·76	17·02	17·27	17·53
0·7	17·78	18·03	18·29	18·54	18·80	19·05	19·30	19·56	19·81	20·07
0·8	20·32	20·57	20·83	21·08	21·34	21·59	21·84	22·10	22·35	22·61
0·9	22·86	23·11	23·37	23·62	23·88	24·13	24·38	24·64	24·89	25·15
1·0	25·40	25·65	25·91	26·16	26·42	26·67	26·92	27·18	27·43	27·69
1·1	27·94	28·19	28·45	28·70	28·96	29·21	29·46	29·72	29·97	30·23
1·2	30·48	30·73	30·99	31·24	31·50	31·75	32·00	32·26	32·51	32·77
1·3	33·02	33·27	33·53	33·78	34·04	34·29	34·54	34·80	35·05	35·31
1·4	35·56	35·81	36·07	36·32	36·58	36·83	37·08	37·34	37·59	37·85
1·5	38·10	38·35	38·61	38·86	39·12	39·37	39·62	39·88	40·13	40·39
1·6	40·64	40·89	41·15	41·40	41·66	41·91	42·16	42·42	42·67	42·93
1·7	43·18	43·43	43·69	43·94	44·20	44·45	44·70	44·96	45·21	45·47
1·8	45·72	45·97	46·23	46·48	46·74	46·99	47·24	47·50	47·75	48·01
1·9	48·26	48·51	48·77	49·02	49·28	49·53	49·78	50·04	50·29	50·55
2·0	50·80	51·05	51·31	51·56	51·82	52·07	52·32	52·58	52·83	53·09

CORRECTIONS AND ADDITIONS 1910–1914.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
INTRODUCTION, 1910–13, 543, Cairo pressure reduction, 8 h. to 24 h. should read :—	−0·7	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·8	−0·7	−0·8
TRUE MEAN TEMPERATURES to be inserted in 1914 :—													
236. Lerwick, from ½ (M+m)	*278·1*	*279·0*	*276·7*	*279·5*	*279·2*	*282·5*	*285·1*	*285·3*					
549. Quetta ,,	*278·7*	*276·3*	*282·0*	*288·7*	*293·7*	*288·7*	*299·8*	*297·5*					
551*a*. Simla ,,	*279·9*	*278·0*	*281·9*	*286·9*	*291·0*	*291·7*	*290·6*	*289·6*					
552. Leh ,,	*264·4*	*266·3*	*272·1*	*278·5*	*283·7*	*288·9*	*289·6*	*287·4*					
649. Kurrachee ,,	*293·3*	*292·2*	*295·7*	*298·5*	*301·1*	*303·0*	*301·5*	*301·0*					
652. Nagpur ,,	*293·6*	*297·0*	*299·9*	*303·1*	*307·3*	*302·8*	*300·0*	*299·4*					
656*a*. Akyab ,,	*293·0*	*295·6*	*299·2*	*300·3*	*301·6*	*300·0*	*300·2*	*300·2*					
746. Aden ,,	*297·2*	*298·0*	*298·7*	..	..	*305·2*	*303·8*	*304·1*					
754. Waltair ,,	*295·5*	*297·8*	*299·3*	*300·6*	*302·0*	*301·5*	*300·5*	*300·4*					
755. Port Blair ,,	*299·7*	*299·1*	*300·2*	*301·7*	*301·0*	*299·7*	*299·3*	*299·1*					
756. Rangoon ,,	*295·4*	*297·4*	*299·8*	*301·4*	*301·1*	*299·0*	*298·7*	*298·5*					
826. Paramaribo ,,	*300·4*	*299·5*	*299·8*	*300·7*	*298·5*	*299·1*	*298·9*	*299·4*					
851. Cochin ,,	*299·7*	*300·6*	*301·5*	*302·3*	*301·5*	*299·2*	*298·4*	*298·5*					
852. Colombo ,,	*299·4*	*299·1*	*299·7*	*300·6*	*300·7*	*299·8*	*299·7*	*299·6*					
944*a*. Zanzibar, from 8 h.	*300·7*	*301·2*	*300·8*	*300·8*	*299·3*	*299·0*	*297·8*	*297·8*					
1239. Cape Town, from ½ (M+m)	*292·0*	*292·8*	*291·6*	*288·2*	*287·2*	*284·6*	*285·3*	*283·8*					
543. Cairo (Helwan)	286·7	287·4	291·3	291·3	297·7	300·0	300·5	301·2	298·7	295·9	292·2	287·8	294·2
1239. CAPE TOWN—Mean Pressure, ½ (8½+12 h. 46 m. +20½). Standard Time, 2 hrs. E. of Greenwich.													
Mean Sea Level	1015·2	1014·6	1014·9	1016·2	1019·4	1020·1	1021·3	1020·6	1018·5	1018·3	1016·4	1015·0	1017·6
Diff. from Normal	+1·4	+0·8	+0·1	−0·4	+1·3	−0·4	−0·2	+0·1	−0·9	+0·6	+0·4	+0·4	+0·3

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
/		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
	1910.																	
139	JULY. Spitsbergen (neighbourhood of)	..	..	..	..	1017·0	..	..	282·6	26th	..	272·5	19th	..	..	278·7	..	..
139	AUGUST. Spitsbergen (neighbourhood of)	..	..	..	..	1017·2	..	..	285·5	4th	..	270·5	18th	..	..	276·4	..	..
656	Shillong	..	..	..	844·9	..	..	..	..	..	..	..	..	..	..	..	..	..
929	YEAR. Quixeramobim	..	..	..	..	..	+0·5	..	..	..	..	..	..	..	..	..	..	..
	1911.																	
1141	AUGUST. Johannesburg	..	..	..	..	..	..	..	..	..	278·6	..	..	284·6	−3·3	*284·2*	..	..
	1912.																	
1528	YEAR. Cactite	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	788	..
	1913.																	
929	YEAR. Quixeramobim	..	..	..	..	..	+1·5	..	..	..	..	..	..	..	..	..	..	..
	1914.																	
418	JANUARY. Duluth	N.	E.												+4·3			+ 15
440	Vienna	..	..	..	..	..	..	270·6	280·7	6th	..	..	..	268·4	−2·4	268·4	..	..
440a	Buda-Pesth	..	..	..	..	1022·2	+1·8	272·3	280·4	5th	266·2	259·2	30th	269·3	−2·1	268·8	..	..
539	Malta	..	..	..	1004·9	1021·4	+0·5	..	..	..	..	..	..	..	..	..	..	..
540	Riposto	47 31	19 1	129·6	..	..	−3·5	..	..	..	281·3	278·8	9th	284·3	+0·1	*284·3*	51	− 56
745	Berbera, Somaliland	..	..	..	..	1015·4	−2·0	287·3	289·8	13th	296·8	295·2	20th, 25th, 27th	298·6	+0·5	*298·0*	0	− 3
943	Entebbe	37 41	15 14	14·2	..	..	..	300·4	301·3	3rd, 4th	..	..	..	..	..	..	..	..
1052	Mbarara	10 22	45 2	9·2	..	..	+1·3	..	..	..	?289·2	?286·4	..	?294·8	+1·1	..	..	..
1054	Apia, Samoa	..	..	..	..	..	..	..	..	..	..	293·6	..	..	+1·0	299·9	165	−281
1121	Sucre, Bolivia	..	..	..	..	1008·8	+0·9	..	305·2	..	..	..	..	..	+2	..	..	..
	Punta Tortuga, Coquimbo	..	..	2	..	..	..	..	..	..	..	..	..	..	+1·2	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
540	FEBRUARY. Riposto	37 41	15 14	14·2	..	1019·2	+2·7	287·6	289·8	26th	282·3	279·8	2nd	284·9	+0·4	*285·0*	6	− 76
733	Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*296·7*	..	..
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	301·8	302·4	sev. dates	295·9	295·2	2nd, 14th, 17th	298·9	+0·8	*298·3*	14	+ 6
943	Mbarara	..	..	..	..	..	..	..	..	..	?288·8	?286·5	..	?294·9	..	..	..	..
1052	Apia, Samoa	..	..	..	..	..	..	..	..	..	..	295·5	..	..	+1·6	300·5	318	−104
		..	..	2	..	1008·6	+0·5	..	305·8	..	..	..	..	..	..	..	..	..
540	MARCH. Riposto	37 41	15 14	14·2	..	1015·6	+0·7	289·4	293·2	26th	283·6	280·0	4th	286·5	+0·6	*286·5*	58	+ 2
733	Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*296·7*	..	..
1052	Apia, Samoa	..	..	2	..	1009·2	+0·3	..	305·2	..	..	295·4	..	..	+1·2	300·2	207	−161
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
540	APRIL. Riposto	37 41	15 14	14·2	..	1019·3	+5·7	292·1	294·2	6th	286·2	283·0	1st	289·1	+0·9	*289·1*	3	− 40
733	Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*296·5*	..	..
943	Mbarara	..	..	..	..	..	..	..	..	..	?288·7	?282·7	3rd	?295·1	..	..	..	..
1052	Apia, Samoa	..	..	2	..	1008·7	−1·0	..	305·2	..	..	295·3	..	..	+1·3	300·1	273	− 14
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	MAY. Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*297·5*	..	..
943	Mbarara	..	..	..	..	..	..	..	..	..	?289·1	?287·2	10th	?294·1	..	..	..	..
1064	Daly Waters	..	..	..	..	1011·8	−1·2	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	JUNE. Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*299·2*	..	..
943	Mbarara	..	..	..	..	..	..	..	..	..	?288·6	?286·3	18th	?294·4	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	JULY. Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*299·5*	..	..
943	Mbarara	..	..	..	..	..	..	..	..	..	?288·2	?285·7	8th, 11th, 24th	?294·1	..	..	..	..
		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	AUGUST. Bathurst	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*298·0*	..	..
943	Mbarara	..	..	..	..	..	..	..	..	..	?288·4	?286·3	14th	?293·7	..	..	..	..
1225	Buenos Ayres	..	..	..	..	..	−1·5	..	..	..	..	..	..	..	..	..	..	..
†2250	Rio Grande	..	..	..	..	..	−1·7	..	..	..	..	..	..	..	..	..	..	..

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OTHER ADDITIONS AND CORRECTIONS.

1910.

139. Spitsbergen Authorities : *insert* Graarud, Aage. Observations météor. faites au Spitsberg, 1909–10. Observations taken on board the *Farm* every 4 hours.
857. Penang. Height : for 4·9 m. *read* 6·3 m.
858. Singapore. Height : for 2·2 m. *read* 3·0 m.

1911.

857. Penang. Height : for 5·0 m. *read* 6·3 m.

1912–1913.

857. Penang. Height : for 5·0 m. *read* 6·3 m.
858. Singapore. Height : for 2·2 m. *read* 3·0 m.

Observations for three other stations in Spitsbergen from July 1912 to July 1913 are given in : Klimatologische Terminbeobachtungen während der Überwinterung 1912–13, von Kurt Wegener und Max Robitzsch. Braunschweig, 1916.

1913.

758. Nhatrang. Height : for 6·8 m. *read* 3·7 m. Pressure figures at M.S.L. and the differences from normal should have a correction of −0·3 mb.
825. Georgetown, Brit. Guiana. *Delete* all station level pressure figures. Pressure figures at M.S.L. and the differences from normal should have a correction of −2·7 mb.

1914.

235. Thorshavn. Latitude : for 62° 25′ *read* 62° 3′.
439. Rome. Authorities : Remarks for True mean T. derived from $\frac{1}{4}$ (9+15+M+m) *read* $\frac{1}{4}$ (9+21+M+m).
719. Belize. Latitude : for 19° 29′ *read* 17° 29′.
724. Grenada. Latitude : for 13° 3′ *read* 12° 5′.
Longitude : for 61° 15′ *read* 61° 46′.
943. Mbarara. March : *delete* all Max. and Min. temperature figures.
1225. Buenos Ayres. Longitude : for 64° 11′ *read* 58° 22′.

SOUTHERN OCEAN.

The number of ice reports received each month during 1914 was as follows :—

Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
3	3	1	1	2	1	4	..	1	6	5	2	29

These figures are not so representative as in earlier years.

RÉSEAU MONDIAL, JANUARY 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JANUARY—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	N. ° ′ 76 30	W. ° ′ 68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1000·7	1003·3	− 2·3	..	..	..	246·6	239·7	10th, 12th	..	−2·0	*249·0*	28	+ 16
125																		
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	999·6	1001·2	− 6·2	..	274·0	10th	247·3	231·7	29th	..	..	251·2	45	..
140																		
141	Gjesvaer	71 6	25 22	6·5	996·2	997·0	− 5·8	..	278·0	12th	266·8	261·1	16th	..	+0·2	*269·6*	126	+ 76
142	Mehavn	71 1	27 47	6·4	995·9	996·7	− 4·7	..	276·9	24th	265·5	259·6	17th	..	0·0	*268·3*	94	+ 23
143	Vardö	70 22	31 8	10·0	995·6	996·9	− 7·9	..	275·0	24th	263·5	259·0	17th	..	−0·7	*266·8*	141	+ 71
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

JANUARY—ZONE 2.

Between Latitude 70° N. and 60° N.

203	Nome	N.	W.	6·1	1007·6	1008·4	− 3·8	261·5	269·7	..	253·4	234·1	..	257·5	+0·3	..	10	− 14
204	Candle	64 31	165 24	..	..	..	..	258·0	269·7	20th	249·1	231·9	31st	253·6	..	..	..	..
205	Tanana	65 55	161 57	? 2·4	..	..	..	252·8	259·7	..	244·8	231·3	..	248·8	+1·0	..	14	− 2
206	Rampart	65 12	152 0	? 74	1001·9	?1012·1	..	250·3	260·8	25th	241·3	230·2	17th	245·8	..	..	1	− 13
207	Valdez	65 30	150 15	? 122	..	..	..	269·4	275·8	..	259·7	252·4	..	264·5	−0·8	..	10	..
208	Eagle	61 6	146 13	3·1	1001·2	1001·6	− 7·1	252·3	268·6	..	243·2	228·0	..	247·7	+1·5	..	7	− 5
209	Dawson	64 46	141 12	250	978·6	1012·6	− 6·4	246·4	260·8	2nd, 15th	238·2	226·3	27th	242·3	−0·2	..	0	− 22
210	Carcross	64 4	139 20	328	973·9	1019·4	− 3·3	255·1	266·3	12th	245·4	230·2	28th	250·3	−2·7	..	18	+ 5
211		60 11	134 34	662	..	..	..											
212	Fort Simpson							..	..	..	240·4	227·4	31st	244·8	..	..	18	+ 4
213	Hay River	61 52	121 35	129	999·0	1015·8	..	250·7	258·6	21st	242·8	228·6	31st	246·8	+0·9	..	9	..
214	Fort Resolution	60 51	115 20	161	994·9	1017·3	..	247·8	255·2	..	242·6	230·2	..	245·2	..	..	14	..
225	Jacobshavn	61 10	113 50	240	..	..	..	257·3	266·5	7th	250·4	237·2	30th	253·9	−1·7	*253·9*	7	− 2
226	Godthaab	69 13	51 2	12·6	997·4	999·1	− 5·2	264·8	275·2	14th, 15th	259·2	249·6	11th, 12th	262·0	−1·1	*261·3*	5	− 33
229	Angmagsalik	64 11	51 44	9·0	991·5	992·7	− 5·6	271·0	281·8	14th	264·7	255·5	12th	267·9	+3·5	*267·9*	268	+181
230		65 37	37 34	31·7	988·6	992·6	− 4·1											
231	Stykkisholm							276·8	281·5	13, 21, 22	271·2	265·3	5, 27, 31	274·0	+3·0	*273·8*	55	− 19
232	Vestmanno	65 5	22 46	11·3	996·7	998·2	+ 1·0	278·6	281·8	22nd	273·3	265·9	5th	275·9	+1·8	*276·2*	155	+ 9
233	Grimsey	63 26	20 15	7·7	997·4	998·3	+ 0·9	275·0	279·2	22nd	270·5	263·2	26th	272·7	+1·6	*272·7*	1	− 16
234	Berufjord	66 33	17 58	22·0	999·0	999·9	+ 0·4	276·8	280·8	22nd	271·1	264·9	27th, 29th	273·9	+1·9	*274·2*	132	+ 3
235	Thorshavn	64 40	14 19	18·0	998·0	1000·3	+ 1·5	279·3	283·1	31st	274·9	267·6	27th	277·1	+1·0	..	134	− 41
236	Lerwick	62 25	6 45	25·7	1004·4	1007·5	+ 3·3	279·6	283·6	31st	275·8	272·4	5th, 7th	277·7	+0·8	..	154	+ 46
237		60 9	W 1 8	18·0	1009·5	1011·8	+ 5·2											
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·5	1013·1	+ 3·1	..	281·7	31st	271·4	265·4	13th	..	−0·5	*273·9*	243	+ 40
239	Christiansund	63 7	7 45	17·8	1007·1	1009·2	+ 2·1	..	283·0	31st	273·3	266·4	10th	..	+0·9	*275·6*	232	+120
240	Trondhjem	63 26	10 25	39·5	1004·2	1009·2	+ 1·2	..	280·2	25th	269·2	255·1	13th	..	+1·8	*272·1*	116	+ 10
241	Bodö	67 17	14 24	20·5	1000·0	1002·6	− 2·6	..	279·0	24th	269·1	258·0	6th	..	+0·4	*271·8*	111	+ 21
242	Haparanda	65 50	24 9	9·2	1001·5	1002·7	− 7·5	266·2	276·5	25th	256·7	241·8	11th	261·5	0·0	*261·7*	22	− 17
	Helsingfors	60 10	24 57	11·7	1006·2	1007·8	− 6·6	269·2	276·7	25th	261·6	248·7	8th	265·4	−1·4	*265·9*	34	− 8
242a	Kuopio							266·0	277·2	25th	255·6	239·0	17th	260·8	−1·9	*261·8*	28	− 18
243	Kola	62 54	27 40	99·7	992·7	1004·4	− 9·0	..	273·9	24th	..	248·0	5th	..	−4·6	*260·3*	45	+ 33
244	Petrozavodsk	68 53	33 1	6·7	..	998·7	− 7·9	..	276	..	..	242	..	..	−0·3	*262·5*	19	− 7
245	Arkhangelsk	61 47	34 23	38·9	..	1004·0	−10·5	..	272	..	..	238	..	..	−2·1	*257·4*	13	− 10
246	Velsk	64 33	40 32	6·7	..	998·4	−13·3	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	61 5	42 7	..	..	..	..	..	269	..	..	230	..	..	−5·7	*248·9*	..	..
248	Troitsko-Petcherskoe	65 27	52 10	? 25	..	997·0	−19·6	..	..	..	..	..	..	..	..	..	..	..
		62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov							..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252		61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	Touroukhansk							..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk							..	263·4	16th	..	219·1	4th	..	+2·8	*241·7*	10	+ 1
262	Iakoutsk	60 22	120 26	? 135	..	1020·6	−10·5	..	253·9	30th	..	219·6	15th	..	+2·4	*232·0*	4	− 5
263	Verkhoiansk	62 1	129 43	? 108	..	1020·0	−10·9	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maiskoe	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1008·6	1012·2	− 4·6	..	264·2	24th	239·7	224·5	13th	245·1	0·0	..	5	− 2
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

JANUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1008·1	1008·6	+ 0·9	274·8	278·6	31st	269·4	263·0	9th	272·1	−1·6	..	130	—
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	273·9	279·7	1st	268·6	264·1	14th, 18th	271·3	..	..	81	—
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	996·8	1000·2	− 7·2	276·9	283·6	..	270·4	256·9	..	273·7	+0·9	..	68	— 157
310	Prince Rupert	54 18	130 18	52	992·2	999·6	−12·2	277·1	283·0	3rd	273·0	259·7	27th	275·1	+1·1	..	162	— 48
311	Barkerville	53 2	121 35	1274	855·4	1004·4	− 9·5	268·4	275·2	4th, 11th	260·6	241·3	28th	264·5	+0·1	*264·5	117	+ 25
312	Kamloops	50 41	120 29	380	964·4	1006·4	−11·0	274·9	283·2	6th	268·7	254·4	28th	271·8	+4·1	*271·8	43	—
313	Calgary	51 2	114 2	1033	884·8	1009·5	− 7·2	269·7	286·3	6th	258·9	240·8	23rd	264·3	+2·8	*264·3	24	+ 11
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	956·3	1011·5	− 6·3	262·8	275·2	14th	252·8	235·8	25th	257·8	+5·9	*258·0	18	+ 21
316	Qu'Appelle	50 30	103 47	645	932·6	1011·8	− 6·5	265·3	283·0	5th	255·7	238·6	24th	260·5	+5·6	*260·7	39	+ 21
317	Minnedosa	50 15	99 50	515	948·5	1013·5	− 6·7	263·2	276·0	5th	252·0	238·3	12th	257·6	+3·7	*257·9	45	+ 15
318	Berens River	52 18	97 23	216	..	..	..	261·7	268·6	20th	250·5	243·0	24th	256·1	+4·9	*256·5	30	+ 4
318a	York Factory	57 0	92 28	16·8	1014·3	1016·6	+ 0·4	..	..	..	241·0	228·0	26th	243·3	..	..	75	— 29
319	Fort Hope	51 33	87 49	335	..	..	..	259·1	270·2	18th	246·5	228·6	13th	252·8	+1·2	..	51	+ 17
320	Moose Factory	51 14	80 30	9·1	1014·8	1016·1	− 1·5	259·7	276·3	29th	246·3	234·7	13th	253·0	−0·2	..	46	—
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1011·6	1015·0	..	248·3	260·9	7th	239·3	233·7	26th	243·8	..	..	13	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	277·4	25th	..	246·9	29th	262·7	+0·8	..	39	..
327	Belle Isle	51 23	55 23	132·8	985·3	1003·0	− 4·1	263·8	271·9	25th	256·1	250·8	19, 23, 28	259·9	−0·2	..	..	—
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1017·2	1018·9	+ 5·0	281·7	285·2	9th	278·0	271·3	18th	279·8	−0·1	280·2	94	— 34
335	Aberdeen	57 10	2 6	26·8	1013·0	1016·3	+ 5·9	278·9	285·2	25th	275·2	271·3	15th	277·1	+0·8	276·9	36	— 35
336	Greenwich	51 28	W o 0	48·5	1015·4	1021·5	+ 6·0	278·8	285·8	9th	274·3	266·3	24th	276·6	0·0	276·6	13	—
337	Uccle	50 48	E 4 22	100	1009·1	1021·9	+ 4·9	274·7	283·8	9th	269·3	261·1	23rd	272·0	−2·7	272·2	78	+ 14
338	De Bilt	52 6	5 11	3·0	1020·8	1021·2	+ 5·2	275·7	282·0	10th	269·7	261·4	24th	272·7	−1·3	272·9	62	+ 14
338a	Hamburg	53 33	9 59	40	1014·5	1019·5	+ 1·9	275·2	280·6	31st	271·2	265·4	17th	273·2	+0·2	273·2	54	+ 14
339	Copenhagen	55 41	12 36	5·0	1016·2	1016·8	+ 1·6	274·7	280·1	5th	270·4	266·0	14th	272·5	+2·4	272·9	28	—
340	Potsdam	53 23	13 14	84·9	1009·6	1020·4	+ 2·7	272·8	282·8	31st	267·6	260·0	15th	270·2	−1·9	270·1	36	—
340a	Upsala	59 51	17 38	24·0	1007·2	1010·2	− 2·6	272·3	279·6	26th	264·4	247·5	13th	268·4	−0·2	268·8	21	—
341	Warsaw	52 13	21 2	120	..	1017·9	− 0·7	..	277	..	..	256	..	..	−0·3	269·1	26	—
342	Jurjev	58 23	26 43	74·5	999·4	1009·1	− 6·1	269·1	276·6	26th, 27th	260·1	243·0	18th	264·6	−1·2	265·2	35	—
343	Petrograd	59 56	30 16	4·8	..	1007·4	− 7·8	..	276	..	..	249	..	..	−0·7	264·1	32	—
344	Kiev	50 27	30 30	182·9	..	1015·8	− 4·7	..	277	..	..	255	..	..	+1·1	268·0	39	—
344a	Moscow	55 46	37 40	156	..	1009·6	−12·0	..	276	..	..	245	..	..	+0·8	263·4	13	—
345	Saratov	51 32	46 3	59·9	..	1011·8	−11·3	..	276	..	..	247	..	..	+3·2	265·1	22	—
346	Kazan	55 47	49 8	79·8	996·3	1006·7	−14·8	..	275	..	..	241	..	..	+3·0	262·1	23	—
347	Orenburg	51 45	55 6	114·1	..	1014·0	−10·9	..	274	..	..	240	..	..	+5·3	262·8	33	—
348	Perm	58 1	56 16	163·0	..	1002·8	−18·3	..	274	..	..	242	..	..	+2·0	258·9	61	—
349	Ekaterinburg	56 50	60 38	288·9	..	1005·8	−17·5	..	275	..	..	244	..	..	+3·0	259·5	11	—
350	Tobolsk	58 12	68 14	108	..	1005·8	−15·6	..	273·6	28th	..	236·2	11th	..	+3·1	256·6	8	—
351	Akmolinsk	51 12	71 23	?347	..	1020·0	− 9·2	..	272·3	5th	..	?242·9	20th	..	+7·5	262·6	..	..
352	Omsk	54 58	73 23	90	..	1013·2	−12·7	..	276·0	6th	..	238·4	12th	..	+7·2	259·7	12	—
353	Barnaoul	53 20	83 47	162·2	..	1023·2	− 8·4	..	275·8	6th	..	237·3	12th	..	+9·8	263·8	40	—
354	Tomsk	56 30	84 58	121·6	..	1017·1	−10·6	..	276·0	6th	..	247·8	20th	..	+8·5	261·6	47	—
355	Minousinsk	53 43	91 41	?245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1014·6	−14·7	..	272·7	30th	..	241·5	23rd	..	+9·1	259·2	46	—
357	Irkutsk	52 16	104 19	467	..	1026·6	− 7·4	..	270·3	8th	..	245·0	19th	..	+7·2	259·2	..	..
358	Kirensk	57 47	108 7	?263	..	1020·8	− 8·2	..	267·9	7th	..	222·8	6th	..	+6·3	252·1	28	—
359	Tchita	52 2	113 30	664	..	1032·0	− 0·7	..	266·9	9th	..	236·0	7th	..	+7·4	252·7	5	—
360	Blagoveshchensk Priisk	58 10	114 17	?490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1028·4	− 2·6	..	258·4	10th	..	235·7	6th	..	+3·6	247·0	2	—
361	Tygan Ourkan	54 5	124 46	?359	972·3	1021·4	..	..	263·2	28th	237·8	226·2	5th	..	..	245·9	6	..
362	Blagoveshchensk	50 15	127 31	133·6	1002·2	1020·5	− 4·3	..	264·6	18th	246·6	238·1	4th	..	+3·7	251·7	2	..
363	Paikanskii Sklad	50 11	130 7	?145	1008·3	1028·7	..	..	265·0	23rd	238·3	230·4	6th, 7th	..	..	246·3	8	—
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1011·5	1014·4	− 2·3	..	258·4	25th	242·3	232·9	21st	..	−1·5	247·6	8	—
366	Okhotsk	59 21	143 17	6·0	1011·6	1012·4	− 3·1	..	258·0	4th	242·1	235·0	19th, 22nd	..	−3·8	245·2	0	—
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	991·9	1003·3	+ 4·7	..	272·8	29th	258·0	250·8	21st	261·1	−1·0	..	65	—
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
411	Victoria, B.C	° N. ′ 48 24	° W. ′ 123 19	metres. 25·9	mb. 1002·3	mb. 1005·4	mb. − 9·9	a. 280·5	a. 284·2	11th	a. 276·7	a. 270·8	28th	a. 278·6	a. +1·1	a. 278·6	mm. 215	mm. +100
412	Portland, Oregon	45 32	122 41	46·6	1004·0	1009·5	− 8·6	283·3	289·7	5th	278·1	273·6	27th	280·7	+3·3	280·2	293	+125
413	Macleod	49 44	113 24	954	..	..	..	272·7	284·1	6th, 7th	260·9	238·6	24th	266·8	+1·3	266·8	37	+ 20
414	Helena	46 34	112 4	1253	867·0	1011·8	− 9·0	277·3	289·1	6th	267·8	255·2	24th	272·5	+6·4	272·7	10	— 15
414a	Salt Lake City	40 46	111 54	1329	867·3	1017·9	− 3·2	278·7	285·8	17th	270·8	261·9	29th	274·8	+3·4	274·7	78	+ 44
415	Cheyenne	41 8	104 48	1856	808·5	1015·2	− 3·2	277·7	284·7	7th	267·7	258·0	29th	272·7	+3·5	272·9	3	— 7
416	North Platte	41 8	100 45	859	914·7	1016·6	− 3·8	280·8	291·3	26th	267·4	256·3	29th	274·1	+5·8	272·9	5	— 6
416a	Bismarck	46 47	100 38	510·6	952·0	1015·2	− 5·6	271·4	286·3	7th	258·9	247·4	29th	265·2	+6·2	265·1	6	— 7
417	Winnipeg	49 53	97 7	231·6	984·4	1014·2	− 5·6	264·5	273·9	19th	254·5	242·2	24th	259·5	+6·7	259·9	20	+ 1
418	Duluth	46 47	92 6	345·1	970·6	1013·9	− 4·8	268·2	276·9	14th	259·4	245·2	12th	263·8	+3·7	263·7	44	+ 17
419	Port Arthur	48 27	89 12	196·3	988·5	1013·5	− 3·9	268·0	275·2	7th, 29th	256·5	243·0	13th	262·3	+4·2	262·3	25	+ 6
420	Chicago	41 53	87 37	250·9	983·2	1013·9	− 4·9	276·7	288·6	28th	269·8	257·4	12th	273·3	+4·7	273·7	76	+ 23
421	Toronto	43 40	79 24	115·5	999·0	1013·7	− 3·8	273·7	285·4	29th	265·1	243·0	13th	269·4	+1·9	269·1	87	+ 14
422	New York (Central Park)	40 46	73 58	29·6	1009·9	1013·6	− 3·8	276·4	287·4	28th, 30th	269·0	252·4	14th	272·7	+0·5	272·9	134	+ 45
423	St. John, N.B.	45 17	66 4	? 22	1008·8	1011·8	− 3·8	269·7	281·2	30th	260·6	249·9	14th	265·1	−0·8	265·3	73	— 49
424	S. W. Point, Anticosti	49 24	63 35	9·1	1008·8	1010·0	− 1·9	265·1	274·7	30th	255·0	244·1	31st	260·1	−2·3	..	61	+ 6
425	Sable Island (Main Station)	43 57	60 6	7·6	1008·8	1009·8	− 4·9	275·2	280·8	..	268·6	263·0	..	271·9	−0·4	..	89	— 53
426	St. Johns, Newfoundland	47 34	52 42	38·1	995·2	999·6	−10·5	270·8	281·3	25th	264·8	258·0	23rd	267·8	−0·9	..	138	— 8
435	Madrid	40 24	3 41	655·4	943·7	1022·8	+ 0·9	280·7	285·3	10th	269·7	262·9	3rd	275·2	−2·6	275·0	8	— 25
436	Nantes	47 15	W 1 34	41·4	1018·2	1023·4	+ 4·6	277·8	284·4	9th	271·9	264·1	25th	274·9	−2·7	274·8	20	— 38
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1016·2	1022·6	+ 4·2	275·8	284·7	9th	269·7	261·6	24th	272·7	−2·6	272·7	36	— 3
438	Marseilles	43 18	5 23	75	1008·0	1017·4	+ 0·4	281·1	288·0	11th	271·2	264·0	15th	276·1	−3·4	275·9	30	— 24
438a	Zürich	47 23	8 33	493·2	962·1	1023·8	+ 2·1	272·1	280·6	10th	266·8	261·4	13th	269·4	−2·5	269·0	75	+ 22
439	Rome	41 54	12 28	50·6	1008·5	1014·4	− 3·0	282·4	285·7	10th	275·1	270·7	3rd	278·7	−1·6	278·2	40	— 39
440	Vienna	48 15	16 22	202·5	995·8	1021·6	+ 1·1	270·5	280·4	6th	266·2	260·4	27th	268·3	−2·2	268·6	19	— 18
440a	Buda-Pesth	47 30	19 2	129	..	..	..	..	279·1	4th	..	257·6	30th	..	−2·5	268·4	7	— 30
441	Bucharest	44 25	26 6	82	1009·1	1019·7	− 1·9	271·2	277·6	1st	264·3	255·4	25th, 28th	267·7	−2·0	267·5	58	+ 27
442																		
443	Odessa (University)	46 29	30 44	65	..	1018·3	− 2·8	..	278	..	..	258	..	..	−0·8	269·0	77	+ 51
444	Kharkov (University)	50 0	36 14	140	..	1014·8	− 7·7	..	276	..	..	250	..	..	+1·9	267·1	26	— 8
444a	Novorossiisk	44 44	37 49	37	..	1016·8	− 3·5	..	288	..	..	268	..	..	+2·4	277·5	..	..
445	Tiflis	41 43	44 48	499	..	1020·0	− 3·8	..	286	..	..	266	..	..	+2·3	275·5	13	— 2
446	Astrakhan	46 21	48 2	−14	..	1016·7	− 7·7	..	280	..	..	257	..	..	+5·5	271·3	21	+ 8
447	Fort Alexandrovsk	44 31	50 16	24	..	1017·5	− 6·5	..	282·7	10th	..	267·2	31st	..	+5·5	274·3	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1018·2	− 5·0	..	288	..	..	274	..	..	+4·4	279·8	..	..
449	Tachkent				..	..	..	..	..	5th	..	267·0	16th	..	+6·2	278·0	72	+ 21
450	Tourgay	41 20	69 18	478·3	..	1023·6	− 2·9	..	291·2	..	..	..	..	..	..	..	..	..
451	Narynskoe	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1018·3	1024·1	− 3·8	270·4	280·8	12th	257·8	245·8	8th	264·1	+4·3	263·8	0	— 4
462	Joshin	41 48	123 23	4·0	1016·8	1017·3	− 4·6	274·8	279·7	12th	264·3	255·9	8th	269·5	+2·5	269·2	57	+ 32
463	Vladivostok	40 40	129 11	26·8	1015·1	1018·6	− 5·7	..	272·7	10th, 13th	257·5	249·0	8th	..	+2·4	262·1	22	+ 17
465	Ochiai	43 7	131 55	6·6	1010·6	1011·5	− 3·8	264·5	272·9	25th	249·6	235·2	9th	257·1	+1·9	258·8	42	0
466	Nemuro	43 20	145 35	26·7	1007·4	1010·8	− 0·9	273·2	280·0	14th	266·8	261·8	24th	270·0	+2·2	270·3	31	+ 5
		N.	E.															

JANUARY—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

511	San Francisco	N. 37 48	W. 122 26	47·2	1011·6	1017·3	− 2·4	286·4	290·2	3rd	281·2	278·6	16th	283·8	+1·0	283·7	248	+123
512	San Luis Obispo	35 18	120 39	61·3	1011·8	1019·3	− 0·3	288·4	296·9	6th	280·5	273·0	11th	284·5	+0·1	284·3	382	+242
513	Modena									7th	267·8	255·8	28th	273·1	+2·9	273·3	36	+ 10
514	San Diego	37 48	113 54	1670	833·4	1016·6	− 3·7	278·4	286·3	6th	282·7	278·6	29th	286·5	+1·1	286·3	91	+ 35
515	Santa Fé	32 43	117 10	26·5	1014·8	1017·9	− 0·3	290·3	297·4	14th	268·5	258·0	29th	273·8	+2·2	273·3	5	— 13
516	Denver	35 41	105 57	2138	787·1	1020·0	+ 1·4	279·2	285·8	18th	269·4	260·8	29th	275·7	+4·0	275·4	1	— 10
517	Abilene	32 23	99 40	1613	833·9	1015·2	− 2·6	282·0	290·8	27th	277·2	266·3	30th	284·4	+4·3	283·2	0	— 19
518	Saint Louis	38 38	90 12	173·1	955·7	1017·9	− 1·7	291·6	300·8	28th	272·8	263·6	12th	277·3	+4·3	276·7	56	— 9
519	Mobile	30 41	88 2	17·4	994·3	1015·2	− 5·1	281·8	293·0	16th	280·5	273·0	7th	285·1	+1·9	284·8	50	— 66
520	Nashville	36 10	86 47	166·4	1016·8	1018·9	− 1·9	289·6	296·3	28th	274·8	266·3	13th	278·9	+2·9	279·2	40	— 79
521	Charleston	32 47	79 56	14·6	997·7	1017·9	− 3·2	282·9	293·0	10th	278·8	273·6	5th	283·1	+0·5	283·1	53	— 29
522	Washington	38 54	77 3	34·1	1015·5	1017·3	− 3·8	287·3	295·2	30th	272·1	259·1	14th	276·7	+2·5	276·0	117	+ 31
523	Bermuda	32 18	64 46	46·0	1010·1	?1014·2	− 6·0	281·3	295·2	30th	286·2	281·4	16th	289·1	−1·1	..	157	+ 56
					1009·6	1015·1	− 4·2	291·9	294·9									
531	Horta	38 32	28 38	28	1012·8	1015·7	− 4·5	289·6	291·9	19th	286·1	283·6	31st	287·9	−0·2	287·5	183	+ 61
532	Ponta Delgada	37 44	25 40	17	1016·5	1017·7	− 3·6	289·6	290·8	13th	286·6	284·0	23rd	288·1	+1·2	287·9	206	+ 38
533	Madeira (Funchal)	32 37	16 54	25	1019·6	1022·6	+ 0·8	292·0	294·5	15th	286·3	283·7	26th	289·2	+0·6	289·7	56	— 35
535	Lisbon	38 43	9 9	95	1010·1	1021·8	+ 0·1	285·5	289·0	13th	279·8	273·6	3rd	282·6	−0·8	282·4	59	— 31
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1018·6	1020·6	+ 1·1	286·9	290·2	12th, 21st	281·7	275·2	2nd, 3rd	284·3	−1·3	284·5	148	+ 18
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	977·1	1018·5	−1·7	283·7	287·8	13th	279·3	273·3	16th	281·5	−1·1	281·4	173	[illegible]
538	Palma	39 34	2 38	23	1011·4	1014·2	−5·1	285·6	290·2	10th	279·2	275·2	1st	282·4	−1·1	..	15	[illegible]
538a	Tunis	36 48	10 10	33	..	1015·1	−2·5	287·3	292·0	11th	279·4	274·2	1st	283·3	0·0	*282·9*	65	[illegible]
539	Malta	35 54	14 31	58·8	..	1014·2	−2·6	287·1	292·2	17th	281·2	279·7	8th, 24th	284·2	−1·2	..	97	[illegible]
540	Catania	37 30	15 3	64·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
541	Athens	37 58	23 43	107·1	1002·2	1015·4	−2·6	284·7	289·7	16th	279·1	274·8	27th	281·9	+0·7	281·9	111	[illegible]
542	Alexandria	31 9	29 54	32·0	1014·8	1018·6	−0·4	292·2	298·7	18th	283·3	279·6	10th	287·7	+0·6	*287·7*	28	[illegible]
543	Cairo (Helwan)	29 52	31 20	115·6	1005·6	1019·6	−0·4	292·6	302·4	19th	281·5	277·7	9th	287·1	+1·2	*286·8*	0	[illegible]
544	Nicosia	35 11	33 22	152	..	1017·7	−0·2	289·3	294·1	2nd	277·4	274·7	6, 7, 8	283·3	+1·2	..	34	[illegible]
544a	Beirut	33 54	35 28	52·4	..	..	..	289·9	295·3	6th	284·6	281·2	10th	287·3	+1·2	..	238	[illegible]
545	Baghdad	33 21	44 28	38·7	1015·5	1020·4	−0·9	290·1	296·4	22nd	279·4	273·8	2nd	284·8	+2·4	..	35	[illegible]
546	Lenkoran	38 46	48 52	−19	..	1018·7	−4·1	..	291	..	..	271	..	..	+3·1	*279·3*	75	[illegible]
547	Busrah	30 31	47 53	7·6	1020·5	1021·5	−0·8	290·8	296·1	22nd	281·9	277·2	2nd	286·3	+2·5	..	0	[illegible]
548	Meshed	36 16	59 35	946	908·7	1020·4	..	285·7	295·3	24th	..	..	..	..	..	..	2	[illegible]
549	Quetta	30 11	67 3	1677	837·8	..	+2·6	286·4	292·2	25th	271·8	268·7	5th	279·1	+1·8	..	43	[illegible]
550																		
551	Lahore	31 34	74 20	214·0	995·8	1020·1	+2·1	294·7	298·5	28th	279·9	277·4	22nd	287·3	+1·7	*286·7*	28	[illegible]
551a	Simla	31 7	77 8	2205	785·1	..	+4·0	283·3	285·5	4th	277·2	273·2	29th	280·3	+2·6	..	5	[illegible]
552	Leh	34 10	77 42	3503	669·1	..	+4·4	271·6	276·2	27th	259·5	256·3	4th	265·5	−0·5	..	7	[illegible]
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	0	[illegible]
559	Hang Kow	30 35	114 17	37·0	1021·8	1026·4	−1·8	286·2	290·9	6th	276·8	270·4	3rd	281·5	+4·0	*281·1*	20	[illegible]
560	Tiensin	39 10	117 10	5·0	1025·0	1025·7	−3·1	278·0	283·8	10th	266·3	259·6	8th	272·1	+3·1	*271·7*	0	[illegible]
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·8	−0·7	285·5	295·8	13th	272·3	264·3	8th	278·9	+1·6	277·9	3	[illegible]
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1023·2	−1·6	275·8	283·2	13th	267·6	259·7	8th	271·7	+1·1	271·3	56	[illegible]
562a	Nagasaki	32 44	129 52	133·0	1006·3	1022·8	+2·1	283·7	290·0	13th	275·8	269·7	7th, 8th	279·7	+0·6	279·5	69	[illegible]
563	Kioto	35 1	135 44	42·9	1014·7	1020·1	+1·2	282·7	289·7	14th	271·6	268·1	5th	277·2	+1·0	276·5	38	[illegible]
564	Tokio	35 41	139 45	21·3	1014·1	1016·7	+1·0	283·8	290·3	14th	272·2	268·4	5th	278·0	+1·5	277·3	23	[illegible]
565	Miyako	39 38	141 59	30·4	1010·3	1014·1	−0·9	282·0	288·6	2nd	270·2	264·5	17th	276·1	+2·8	275·1	52	[illegible]
566																		
		N.	E.															

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·7	1018·1	+2·1	296·3	298·6	..	290·9	288·6	..	293·6	−0·8	..	59	[illegible]
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	[illegible]
617	Galveston	29 18	94 50	16·5	1017·4	1019·3	−1·1	289·9	295·8	9th	283·8	276·3	30th	286·9	+2·0	*286·5*	9	[illegible]
618	New Orleans	29 58	90 4	15·5	1017·1	1018·9	−1·5	291·3	298·6	9th	282·0	275·2	7th	286·7	+1·5	*286·2*	26	
619	Havana	23 8	82 22	24·3	..	1018·2	−0·3	298·4	304·1	10th	291·2	284·3	16th	294·8	+0·4	*294·7*	125	[illegible]
620	Key West	24 33	81 48	6·7	1017·2	1017·9	−1·3	295·7	300·2	10th	290·4	286·3	13th	293·1	−1·0	*292·4*	42	[illegible]
621	Nassau, Bahamas	25 5	77 21	3·7	..	?1018·7	−0·7	296·7	302·2	11th	291·1	288·8	16th, 17th	293·9	−1·0	..	86	[illegible]
622																		
633	La Laguna	28 28	16 20	547	957·3	1021·6	−0·2	288·8	292·8	12th	282·0	277·4	10th	285·4	+0·2	..	46	[illegible]
634	Cañadas del Teide	28 13	16 34	2130	..	..	..	285·4	289·0	15th	269·8	262·7	30th	277·6	+1·6	..	0	[illegible]
637	Insalah	27 8	E 2 27	280	..	..	..	295·3	301·0	24th, 25th	278·0	270·0	4th, 5th	286·7	+1·1	*286·1*	..	..
638																		
641	Siwa	29 12	25 29	−23														..
642	Dakhla Oasis	25 30	29 0	130·0	1005·9	1021·5	−1·1	295·0	300·1	1st	277·5	276·1	21st	286·3	+0·1	*286·1*	..	..
643	Tor	28 13	33 37	1·9	1016·8	1017·1	−0·3	294·2	299·5	6th	281·2	278·0	11th	287·7	+0·4	*287·2*	..	..
644	Aswan	24 2	32 53	99·6	1004·2	1016·1	−2·5	298·2	305·0	19th	282·7	279·5	11th	290·5	+1·1	*289·0*	..	
647	Bushire	28 59	50 53	4·3	1020·5	1021·0	+1·2	292·9	298·8	28th	?285·9	281·8	31st	?289·8	+2·4	..	30	[illegible]
648	Jask	25 44	57 47	4·0	1019·4	1019·8	+2·7	298·1	301·5	29th	290·1	286·5	1st	294·1	+1·5	..	0	[illegible]
649	Kurrachee	24 53	66 57	4·0	1020·3	1020·6	+2·1	298·4	300·6	12th	288·5	286·3	13th	293·5	+1·8	..	0	[illegible]
650	Hyderabad, Sind	25 24	68 18	29·3	1017·0	1020·5	+2·5	298·7	303·5	30th	284·7	283·1	13th	291·7	+1·3	..	0	[illegible]
651	Jaipur	26 56	75 52	436·5	970·1	1018·4	+1·1	299·4	302·6	29th	284·3	279·2	23rd	291·9	+2·8	*291·1*	0	[illegible]
652	Nagpur	21 8	79 5	310·2	983·9	1020·2	+2·5	302·4	304·9	17th, 31st	285·6	281·7	3rd	294·0	+0·1	..	0	[illegible]
653	Allahabad	25 25	81 51	94·1	1009·0	1018·5	+2·2	299·2	303·3	30th	282·2	280·1	1st	290·7	+1·5	*289·9*	7	[illegible]
654	Calcutta	22 36	88 23	6·4	..	1017·9	+2·7	298·3	301·4	31st	286·2	283·6	12th, 13th	292·3	+0·2	*291·8*	0	[illegible]
655	Gauhati	26 8	91 41	59·7	1014·1	1021·2	+3·0	296·5	298·4	30th	283·3	280·6	2nd	289·9	0·0	..	0	[illegible]
655a	Cherrapunji	25 15	91 42	1314	873·2	..	+2·1	288·6	289·6	2nd, 5th	280·6	279·3	15th	284·6	0·0	..	0	[illegible]
656	Shillong	25 33	91 48	1500	854·1	..	+2·1	288·4	290·2	2nd, 9th	276·9	274·6	8th	282·7	−0·1	..	2	[illegible]
656a	Akyab	20 11	92 56	6·1	1018·1	1018·7	+3·3	299·2	300·7	18th	287·7	285·5	21st	293·5	−0·8	..	0	[illegible]
657	Phu Lien	20 48	106 37	115·6	1007·0	1020·8	+2·8	296·4	300·1	19th	288·5	282·2	1st	292·4	+1·0	291·3	33	[illegible]
658	Moncay	21 31	107 51	9	1020·5	1021·6	+2·7	295·7	299·0	16th, 30th	286·1	275·3	1st	290·9	+1·3	*290·2*	26	
659																		
660	Hong Kong	22 18	114 10	33·2	1017·9	1021·8	+2·4	292·7	297·9	14th	287·9	281·6	1st	290·3	+1·5	290·1	0	[illegible]
661	Taihoku, Formosa	25 2	121 31	9·3	1022·2	1023·3	+2·2	294·0	299·7	29th	284·0	277·7	10th	289·0	+0·2	288·4	11	[illegible]
662	Naha	26 13	127 41	10·5	1021·7	1023·0	+4·7	292·8	297·3	13th	284·4	279·9	1st	288·6	−0·9	288·5	68	[illegible]
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	781·4	..	+1·4	291·0	294·8	28th, 29th	279·0	276·5	14th	285·0	−0·3	284·9	43	+ 40
718a	Oaxaca	17 4	96 44	1563	848·2	..	..	298·8	304·7	29th	281·6	278·4	15th	290·2	..	*290·0*	6	..
719	Belize	19 29	88 12	1·9	..	..	..	..	301·9	..	..	289·1	..	..	..	..	319	+155
720	San Salvador	13 44	89 9	657	940·1	1014·1	+2·1	..	304·5	..	..	281·8	17th	294·2	−1·0	..	8	+ 6
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·7	−0·4	301·2	302·7	6th	293·3	289·1	17th	297·3	−0·3	*296·7*	54	+ 20
722	Port au Prince	18 34	72 22	37·4	1011·5	1015·8	+0·2	303·6	306·1	11th	292·9	290·1	17th, 19th	298·3	+0·1	297·6	77	+ 46
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·6	1014·3	−1·0	300·7	302·2	12th	295·1	291·5	18th	297·9	−3·0	..	73	+ 13
724	Grenada (Richmond Hill)	13 3	61 15	155·1	995·8	1013·7	+0·6	301·6	302·4	12th	295·7	293·6	15th	298·6	+0·6	*298·2*	46	− 67
725	Barbados	13 8	59 36	55·2	..	1015·2	+0·9	301·1	302·1	9, 12, 21	295·9	291·0	14th	298·5	+1·0	*298·3*	21	− 47
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·8	1016·1	+1·0	297·1	301·0	14th	291·7	290·0	14th, 21st	294·4	−0·2	*294·6*	7	+ 3
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·3	1016·3	+1·4	297·9	299·5	3rd, 4th	293·4	292·5	2nd	295·6	+0·3	*295·7*	0	− 3
733	Bathurst	13 24	16 36	1·5	..	1013·5	+0·6	302·1	305·2	5th, 26th	292·0	288·0	28th	297·1	+0·9	*296·9*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·3	313·0	17th	292·3	288·6	21, 22, 23	300·8	+2·3	..	8	+ 7
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	289·2	286·4	8th	297·5	..	..	0	0
736	Timbouctou	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	308·1	312·4	31st	290·3	286·3	22nd	299·2	+2·7	..	0	0
738	Kaduna Junction	10 50	7 25	640	..	..	..	306·1	309·1	31st	286·1	282·4	1st, 2nd	296·1	..	..	0	0
739	Maiduguri	11 47	13 11	361	..	..	..	308·4	312·4	18, 19, 20	288·8	286·3	13th	298·6	+2·2	..	0	0
740	Katagum	12 17	10 22	30·7	..	..	..	307·6	311·3	18th	287·2	283·0	8th	297·4	+2·0	..	0	0
742	El Obeid	13 11	30 14	585	949·2	1014·8	−1·6	305·6	310·3	7th	286·6	282·0	11th	296·1	+2·3	*294·9*	0	0
743	Khartoum	15 37	32 33	390	969·2	1013·4	−0·6	305·4	309·2	22nd	289·7	284·3	11th	297·5	+2·2	*296·6*	0	0
744	Port Sudan	19 37	37 13	5·9	1014·2	1014·8	+0·5	300·1	302·5	6th, 7th	293·8	288·0	31st	297·0	+0·5	*296·5*	69	+ 59
746	Aden	12 45	45 3	28·7	1014·9	1018·1	+1·7	299·6	300·8	12th	295·9	293·7	4th	297·8	+0·2	..	0	− 10
751	Bombay	18 54	72 49	11·3	..	1015·5	+2·3	302·1	303·7	10th	293·9	291·5	28th	298·0	+1·0	*297·6*	0	− 2
752	Bangalore	12 59	77 38	920	915·8	1016·9	+2·9	300·3	302·5	31st	286·3	284·0	12th, 13th	293·3	−0·3	*292·9*	1	− 6
752a	Kodaikanal	10 14	77 28	2343	773·6	..	+1·0	292·4	297·3	29th	281·2	277·8	1st	286·8	+0·7	*286·9*	13	− 45
753	Madras	13 4	80 14	6·7	..	1016·6	+2·7	301·7	302·4	30th	293·0	290·4	27th	297·3	−0·2	*296·8*	27	+ 3
754	Waltair	17 45	83 16	68·9	1011·6	1019·7	+3·2	300·0	301·9	21st	291·9	290·7	5th, 12th	295·9	−0·6	..	0	− 18
755	Port Blair	11 40	92 40	17·7	1013·7	1015·7	+2·1	302·4	303·7	10th, 30th	297·7	295·3	6th	300·1	−0·1	..	0	− 26
756	Rangoon	16 46	95 48	5·5	1017·4	1017·9	+3·5	303·0	305·5	30th, 31st	289·9	286·4	2nd	296·5	−1·3	..	0	− 2
757	Saigon	10 46	106 42	11·2	1012·8	1014·0	+2·3	304·7	306·5	31st	293·6	290·8	1st	299·1	−0·4	..	30	+ 11
758	Nhatrang	12 16	109 12	3·7	1016·4	1016·9	+2·6	301·3	302·9	18th	292·3	289·3	13th	296·8	−0·8	..	10	− 52
759	Bolinao	16 24	119 53	9·7	..	1014·8	+2·5	303·5	305·6	16th	293·9	290·8	13th	298·7	−0·5	298·4	91	+ 80
760	Vigan	17 34	120 23	14·7	..	1015·0	+2·4	302·5	305·4	3rd	294·1	290·6	12th	298·3	−0·5	297·9	0	− 1
761	Manila	14 34	120 59	14·2	..	1015·2	+2·8	303·4	305·7	31st	292·0	287·5	11th	297·7	−1·2	296·7	3	− 24
762	Ormoc	11 0	124 36	5·6	..	1013·6	+2·9	303·4	305·3	24th	294·5	290·1	11th	298·9	+0·3	298·4	40	−161
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·5	303·8	23rd	297·1	295·6	7th	299·3	+0·4	..	43	− 17
		N.	E.															

JANUARY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·9	308·0	20th	298·2	296·3	13th	301·1	+0·8	*300·2*	568	+284
819	Culebra	9 10	79 40	123·1	..	1011·8	+0·7	303·6	305·2	24th	294·1	292·4	19th	298·9	+0·1	..	10	− 31
819a	Colon	9 23	79 23	3·0	..	1012·7	+1·0	301·9	303·6	10th	298·0	295·8	29th	300·0	+0·5	..	34	− 64
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	29	− 34
822	Caracas	10 31	66 56	1025	901·2	..	+1·9	..	..	..	..	..	..	290·6	−0·7	..	0	− 23
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·1	..	..	301·3	303·2	22nd	293·6	291·1	23rd	297·5	..	..	73	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·6	+2·5	301·6	302·4	12th	296·7	294·1	24th, 28th	299·2	+0·1	..	45	−148
826	Paramaribo	5 49	55 9	4	..	1013·7	+0·8	..	..	..	..	..	..	300·9	+2·2	..	81	−143
826a	Cayenne	4 56	52 21	6	..	..	..	302·5	303·6	21st	296·9	294·6	4th, 24th	299·7	+0·5	*299·6*	153	−212
833	Conakry	9 31	13 43	16	1010·0	1011·8	+0·9	303·8	305·0	..	295·9	291·0	..	299·9	+0·4	*299·8*	0	0
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·8	1012·8	+1·7	305·1	308·0	14th, 31st	293·9	290·8	12th	299·5	−0·9	..	0	− 11
835	Cape Coast Castle	5 5	1 13	..	..	..	..	303·6	305·8	23rd	295·9	293·0	4th	299·8	0·0	..	17	− 6
836	Accra	5 35	W 0 6	18	..	..	..	303·9	306·9	11th	296·5	294·1	14th	300·2	+0·5	..	8	− 10
837	Lagos	6 27	E 3 24	1·8	..	1011·2	+1·3	304·1	305·3	..	297·2	294·7	..	300·7	+0·5	..	40	+ 12
838	Zungeru	9 49	6 10	185·3	..	1011·8	+0·6	308·8	310·8	21st, 22nd	291·7	288·6	7th	300·3	+0·4	..	0	− 1
838a	Libreville	0 23	9 26	35	..	..	..	304·2	306·0	30th	296·5	291·2	4th	300·3	+0·8	..	269	+ 6
839	Yola	9 12	12 30	259	..	..	..	308·9	311·9	28th	294·4	291·3	10th	301·7	+2·0	..	0	0
841	Wau	7 42	28 3	440	962·5	1011·5	+0·1	310·5	312·6	7, 8, 9	292·3	290·1	sev. dates	301·4	+1·6	*300·4*	0	− 1
842	Malakal (Kodok)	9 53	32 8	387·5	965·8	1009·1	+0·1	310·1	312·9	20th	292·7	289·7	18th	301·4	+1·8	*300·0*	0	0
843	Entebbe	0 5	32 29	1171	884·7	..	−1·3	300·1	303·6	13th, 14th	290·3	288·6	2, 8, 25	295·2	0·0	*295·0*	51	− 17
844	Mongalla	5 11	31 47	439·0	958·0	1006·2	−0·7	311·6	314·0	18th	294·2	292·6	11th, 18th	302·9	+1·9	*301·9*	0	− 2
845	Harrar	9 42	42 30	1856	..	..	..	298·5	300·0	5th, 13th	284·4	281·0	2nd, 16th	291·4	−0·6	*291·4*	1	− 9
851	Cochin	10 0	76 21	2·7	1015·2	1015·4	+1·9	305·4	306·8	12th	294·7	292·8	30th	300·1	+0·2	..	0	− 16
852	Colombo Observatory	6 54	79 53	7·3	1011·8	1012·6	+1·9	304·2	305·7	27th	295·4	294·6	10th, 15th	299·8	+0·2	..	5	− 86
852a	Newera Elija	6 59	80 47	1886	..	..	..	293·4	295·6	14th	281·9	274·8	16th	287·7	+0·8	..	57	− 84
853	Trincomalee	8 34	81 14	30·2	1010·9	1014·4	+2·8	300·6	302·8	1st	297·6	296·2	5th, 30th	299·1	+0·2	..	46	−102
855	Medan	3 35	98 41	23·5	..	1013·1	+1·9	301·8	304·0	22nd	294·6	291·2	11th	298·2	..	297·8	193	+ 63
856	Kota Radja	5 32	95 20	7·1	..	1011·9	+0·7	..	..	..	..	..	..	..	..	..	153	+ 14
857	Penang	5 34	100 20	6·3	1011·0	1011·7	+1·0	305·3	306·9	20th	296·0	294·7	1st	300·7	+0·4	..	35	− 54
858	Singapore	1 17	103 51	3·0	1012·0	1012·3	+1·9	303·1	306·6	15th	295·8	294·7	8th	299·5	−0·1	..	618	+383
860	Sandakan	5 49	118 12	..	..	..	..	303·2	..	..	297·3	..	..	300·2	+0·7	..	203	−252
861	Tagbilaran	9 38	123 51	26·2	..	1013·0	+2·8	303·6	305·5	31st	294·2	290·5	11th	298·9	−0·6	298·0	62	− 17
861a	Menado	1 30	124 50	3·5	..	1010·9	+1·2	301·9	304·4	22nd	295·6	294·7	13th	298·7	..	298·4	598	+131
862	Surigao	9 48	125 29	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
863	Yap	9 29	138 8	31·9	..	..	..	304·0	305·2	28th	297·3	295·0	4th	300·7	..	..	56	− 93
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·4	1010·5	+1·0	307·3	307·4	sev. dates	..	..	..	..	−1·2	*299·7*	432	+347
906																		
923	Manaos	3 8	59 59	44·9	1002·9	1008·0	+0·1	..	308·2	..	..	295·8	..	301·5	+1·3	..	255	+ 46
925	Turyassu	1 25	45 15	15·1	1009·4	1011·1	..	..	306·8	..	..	294·6	..	299·8	..	..	320	+ 72
929	Quixeramobim	5 16	39 15	207·0	988·9	1012·4	+1·4	..	308·9	10th	..	294·8	..	300·7	−0·8	*300·5*	135	..
930	Fernando Noronha	3 50	W32 20	93·0	1000·5	1011·2	0·0	..	302·7	..	..	295·6	..	299·1	+0·4	..	27	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	300·4	303·0	10, 12, 17	291·1	286·9	29th	295·8	..	*293·9*	45	− 19
944	Nairobi	1 18	36 59	1661	..	..	..	296·6	299·7	8th	284·7	280·8	29th	290·7	−0·1	..	102	+ 58
944*a*	Zanzibar	6 10	39 11	21·9	1011·8	1014·2	+1·0	302·8	304·4	17th	299·4	297·9	3rd	301·1	−0·1	..	72	− 14
945																		0
946	Lamu	2 16	40 54	3·0	..	..	..	304·7	305	1st	298·6	297·4	14th	301·6	..	..	0	− 30
947	Seychelles, Port Office	4 37	55 27	4·6	1012·3	1012·8	+1·7	301·7	303·0	27th	298·3	296·9	5th	300·0	+0·4	..	381	
957	Padang	0 56	100 22	6·7	..	1012·3	+1·0	303·9	306·0	10th	296·5	295·1	26th	300·2	..	299·6	513	+164
958*a*	Batavia	6 11	106 50	8	1011·0	1011·9	+2·0	302·6	304·8	20th	296·5	295·7	2nd, 22nd	299·6	+0·7	299·2	262	− 54
958*a*	Pontianak	0 1	109 20	2·6	..	1012·5	+3·0	303·7	305·2	7th	296·2	295·0	1st	299·9	..	298·9	303	+ 30
959	Passeroean	7 38	112 55	5·0	..	1010·9	+2·1	..	..	..	..	..	..	..	..	..	230	− 11
960	Kajoemas	7 56	114 9	950	..	..	..	295·6	297·4	3rd	289·9	288·7	18th	292·7	..	292·1	216	− 238
962	Ambon	3 42	128 10	4·2	..	1011·0	+2·7	303·7	304·9	18th	296·7	295·5	20th	300·2	+0·6	299·6	50	− 82
963	Manokwari	1 10	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	493	+220
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1010·7	+2·6	305·0	..	..	297·6	..	..	301·3	+0·2	..	198	− 6
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1009·1	+1·0	..	..	..	..	..	..	..	..	..	76	− 397
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·2	1008·4	+1·7	305·4	307·4	9, 10, 17	298·4	296·9	3rd, 21st	301·9	+1·0	..	177	− 167
970	Ocean Island	0 52	169 35	25·6	1005·2	1008·2	+0·9	303·8	306·2	24th	297·3	295·3	20th	300·6	−0·4	*300·0*	430	+193
		S.	E.															

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		..
1002	Apia, Samoa	13 48	171 46	5	..	..	..	..	..	..	..	..	..	..	..	..	..	−206
1003	Alofi, Niue Island	19 2	169 55	36·6	1009·5	1013·7	+2·6	305·3	307·4	20th	294·8	291·9	20th	300·1	+1·0	..	70	
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	....	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	290·1	287·1	3rd	..	+0·5	*295·1*	0	− 1
1022	Arequipa	16 22	71 33	2451	761·7	..	+1·0	293·2	296·7	5th	282·4	278·3	16th	287·8	0·0	*286·9*	53	+ 22
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·9	..	..	298	..	..	283	..	..	290·5	+2·7	..	146	− 15
1026	Cuyaba	15 35	56 0	235	989·7	1016·4	−0·1	..	306·6	..	..	296·5	..	300·8	+0·8	..	243	− 20
1027	Bello Horizonte	19 55	43 56	857	918·0	1013·0	..	300·3	304·6	8th	290·9	288·4	1st	295·6	..	..	224	..
1028	Cætite	14 2	42 37	900	912·9	1012·7	−0·9	..	305·5	..	..	288·8	..	295·0	−1·1	*294·9*	442	+303
1029	Ondina	13 12	38 30	46·6	1007·9	1013·3	..	..	304·2	..	..	293·0	..	298·2	..	..	223	..
1030	Aracaju	10 55	37 4	4·3	1012·8	1013·3	+0·3	..	304·0	..	..	295·5	..	299·9	−0·2	..	116	+ 78
1035	St. Helena	15 57	W 5 40	632	944·6	1016·0	−1·5	296·7	299·9	13th	288·2	287·2	26th	292·5	+1·6	*292·2*	90	+ 13
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	859·1	..	+2·1	302·1	307·7	1st	289·4	286·3	27th	295·7	+1·6	..	126	− 24
1043	Salisbury, Rhodesia	17 48	31 5	1472	856·0	..	+0·4	301·9	308·9	2nd	287·7	282·4	13th	294·8	+1·0	..	244	+ 55
1044	Zomba	15 23	35 18	899	..	1006·8	−1·1	300·5	303·0	21st, 24th	289·4	288·0	27th, 31st	294·9	+0·2	*294·3*	265	− 20
1045	Tamatave	18 9	49 26	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tananarivo	18 55	47 32	1400	864·7	..	+1·9	298·7	301·0	2nd	289·0	286·3	25th	293·9	−0·2	*292·7*	618	+327
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1013·3	+2·0	303·4	305·5	30th	297·6	295·2	16th	300·5	+0·1	..	82	− 47
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·5	1010·1	+2·0	305·3	306·7	..	297·2	295·8	..	301·3	+0·9	..	23	− 227
1058																		
1061	Koepang	10 10	123 34	3·3	..	1010·7	+2·3	303·6	305·1	24th	297·2	295·6	21st	300·4	..	300·0	230	−164
1061*a*	Derby	17 18	123 40	16·2	..	1008·0	+1·1	305·2	309·9	13th	298·7	295·9	29th	301·9	−1·4	..	301	+152
1062	Hall's Creek	18 13	127 46	373·6	..	1007·8	+1·4	306·2	312·4	27th	296·2	293·5	22nd	301·2	−2·1	..	377	+251
1063	Port Darwin	12 28	130 51	29·6	..	1008·8	+2·9	304·7	307·9	24th	298·2	295·4	8th	301·5	−0·3	300·7	593	+193
1064	Daly Waters	16 16	133 23	210·6	..	1006·4	+1·5	306·9	312·7	2nd	296·9	294·9	15th	301·9	−1·4	*301·4*	232	+ 72
1065	Mein	13 13	142 47	121·9	..	1008·6	+3·0	304·9	308·4	13th	296·4	295·2	11th	300·7	+0·1	..	312	+ 18
1066	Georgetown, Queensland	18 22	143 32	301·8	..	..	..	306·6	309·8	6, 8, 11	295·2	294·1	13, 15, 22.	300·9	−0·2	..	141	− 70
1067	Samarai	10 37	150 40	..	..	1009·3	+1·9	..	..	..	297·6	..	..	301·1	+0·3	..	62	− 78
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1011·2	1011·7	+2·8	302·6	305·8	29th	296·4	294·1	11th	299·5	−0·1	..	171	−103
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

JANUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	300·3	303·3	30th	294·5	290·8	5, 7, 14	297·4	−1·4	..	188	− 54
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·4	1013·8	−0·7	294·2	296·0	17th	284·9	283·5	7th	289·5	−1·0	*290·9*	0	0
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1004·6	1012·0	+0·1	307·0	314·0	31st	294·2	289·0	27th	300·6	+1·0	*300·3*	83	− 33
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	911·5	1012·1	−0·9	..	307·3	3rd	..	283·8	..	294·6	+1·0	*294·3*	179	+ 6
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·5	1011·6	−1·4	..	306·4	..	..	294·9	..	..	+0·2	298·7	66	− 64
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 ′4	1806	..	..	..	299·9	303·5	30th	287·6	281·4	26th	293·7	+1·7	*293·2*	69	− 90
1142	Kimberley	28 42	24 47	1202	880·0	..	0·0	308·1	311·8	1st	291·6	287·2	22nd	299·8	+3·0	299·6	25	− 46
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	298·2	300·8	18th, 22nd	294·1	290·2	10th	296·1	..	..	78	− 35
1144	Lorenzo Marques	25 58	32 36	59	..	1012·4	+0·2	303·7	309·8	3rd	295·3	291·5	12th	299·5	+0·3	299·0	62	− 76
1147	Mauritius	20 6	57 33	54·3	1007·1	1013·4	+1·5	302·9	304·7	3rd, 11th	295·4	293·2	2nd	299·1	−0·2	298·8	152	− 45
1159	Onslow	21 43	114 57	4·3	..	1006·9	+0·9	307·6	313·3	25th	297·5	293·0	11th	302·6	−0·3	..	39	+ 15
1160	Peak Hill	25 38	118 47	588	..	1006·4	+1·0	312·2	315·0	31st	298·7	295·2	17th	305·4	+1·7	..	3	− 39
1161	Nullagine	21 53	120 5	386	..	1007·2	+1·9	310·6	315·8	4th	296·2	289·6	14th	303·4	−1·4	..	167	+ 87
1162	Laverton	28 40	122 23	466	..	1011·8	+2·2	310·9	314·9	30th	294·3	287·6	19th	302·6	+1·3	..	11	− 15
1163	Alice Springs	23 38	133 37	587	..	1008·6	+2·5	307·2	314·7	8th	294·6	288·0	29th	300·9	−0·8	300·7	69	+ 24
1164	William Creek	28 55	136 21	76·2	..	1010·9	+1·3	309·8	319·1	7th	295·5	286·9	13th	302·7	+1·5	*302·4*	19	+ 5
1165	Boulia	22 55	139 38	146	..	1007·9	+2·8	314·3	317·4	12th	296·3	294·8	15th	305·3	+1·5	..	38	− 15
1166	Mitchell	26 32	147 52	336	..	1010·4	+2·3	308·6	315·3	11th	294·5	286·3	3rd	301·5	+2·0	..	40	− 46
1167	Rockhampton	23 24	150 30	11·3	..	1012·7	+3·3	305·6	310·9	11th	295·6	293·5	2nd	300·6	+0·7	..	19	−214
1168	Brisbane	27 28	153 2	41·7	..	1013·5	+2·0	304·4	308·7	28th	293·8	291·1	1st	299·1	+1·0	..	99	− 64
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

JANUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	294·7	298·5	22nd	289·2	286·7	18th	291·9	−0·1	*291·5*	39	+ 21
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1009·9	1014·7	+0·2	296·5	302·2	26th	286·8	285·4	1st	291·7	−0·4	*290·6*	0	0
1222	Santiago	33 27	70 42	520	954·2	1013·2	+0·8	304·5	307·4	6th	284·6	282·9	21st	294·5	+1·7	*294·2*	0	− 1
1222*a*	Concepcion	36 50	73 3	15	1012·6	1014·4	..	297·6	305·5	8th	284·6	281·4	14th	291·1	..	*291·3*	54	..
1223	Cordoba	31 25	64 12	439	961·8	1011·3	−1·1	306·3	311·6	1st	290·8	285·4	27th	298·5	+2·2	298·0	80	− 25
1224	Bahia Blanca	38 45	62 15	20	1006·9	1009·2	+1·3	304·7	313·0	..	291·7	285·6	..	298·2	+1·4	..	97	+ 53
1225	Buenos Ayres	34 36	64 11	25·2	1008·4	1011·3	−0·4	303·0	309·1	31st	291·9	288·3	26th	297·5	+0·8	*297·3*	140	+ 63
1225*a*	Rio Grande	32 2	52 9	2	1008·7	1008·9	−0·9	299·6	307·0	3rd	294·3	289·0	20th	296·9	0·0	297·0	194	+122
1226	Montevideo	34 55	W56 13	24·9	..	1010·2	−0·7	..	305·6	31st	..	288·3	27th	..	+1·2	296·6	98	+ 25
1239	Cape Town	33 56	E18 29	12	..	..	..	298·0	306·7	25th	288·8	283·9	4th	293·4	−0·6	*292·0*	61	+ 44
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1014·5	+2·0	303·4	312·1	28th	290·6	285·2	9th	297·0	+0·8	..	1	− 8
1260	Katanning	33 42	117 35	310	..	1015·2	+2·0	305·1	310·8	15th	285·8	281·9	12th	295·4	+0·6	..	0	− 10
1261	Coolgardie	30 57	121 10	423	..	1013·1	+1·8	307·6	315·1	17th	290·3	284·7	12th	298·9	+0·7	..	7	− 5
1262	Eucla	31 45	128 58	4·6	..	1015·1	+1·8	298·6	313·6	3rd	289·9	284·7	13th	294·2	−0·3	..	0	− 15
1263	Streaky Bay	32 48	134 13	13·1	..	1015·4	+2·0	301·9	312·1	24th	288·2	283·6	29th	295·1	+0·2	..	0	− 11
1264	Adelaide	34 56	138 35	42·7	..	1014·8	+1·8	301·7	312·3	24th	288·3	284·9	14th	295·0	−1·4	*294·4*	27	+ 9
1265	Melbourne	37 49	144 58	35·1	..	1013·6	+0·7	298·6	309·6	7th	286·4	281·4	28th	292·5	−0·2	291·9	37	− 10
1266	Bourke	30 13	145 58	110	..	1012·6	+2·6	311·4	319·1	6th	294·6	287·4	14th	303·0	+0·6	..	13	− 25
1267	Sydney	33 51	151 13	44·5	..	1013·4	+0·9	300·2	308·8	2nd	291·4	287·5	21st	295·8	+0·8	..	17	− 74
1268	Lord Howe Island	31 20	159 0	4·6	..	1016·4	..	300·1	302·3	21st	293·2	288·9	2nd	296·7	..	..	22	−103
1271	Auckland	36 50	174 50	38·1	..	..	..	296·8	299·4	15th	288·3	284·1	11th	292·6	+0·5	..	34	− 30
1272	Napier	39 32	176 53	21·3	..	1015·1	+3·5	301·1	306·6	13th	287·7	281·9	8th	294·4	+2·1	..	6	− 62
		S.	E.															

JANUARY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1016·7	..	291·8	297·4	29th	283·5	280·2	twice	287·7	+0·3	..	40	− 21
1302																		
1321	Isla Huafo	43 34	74 45	140	998·7	1015·5	−0·9	288·1	292·4	22nd	283·5	280·9	3rd	285·8	+0·3	*285·5*	130	+ 65
1322	Punta Galera	40 1	73 44	40	1012·4	1017·2	+0·9	290·4	292·2	28th	284·9	282·0	13th	287·7	+0·8	*287·6*	128	+ 68
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1008·7	−1·6	294·4	304·1	25th	284·6	280·6	20th	289·5	−0·3	*288·4*	6	− 39
1366	Launceston	41 27	147 10	10·1	..	1010·1	−1·7	296·2	303·8	24th	283·8	278·6	9th	290·0	−1·0	..	30	− 16
1370	Invercargill	46 25	168 21	5·5	..	..	..	294·6	301·9	30th	284·6	278·0	8th	289·6	+2·6	..	137	+ 24
1371	Dunedin	45 52	170 31	91	..	1009·7	+0·5	293·8	299·7	twice	284·3	278·0	7th	289·1	+1·6	..	93	0
1371*a*	Christchurch	43 32	172 38	7·6	..	1011·0	0·0	297·2	304·6	2nd	285·4	280·1	15th	291·3	+1·9	..	35	− 17
1372	Wellington	41 16	174 46	2·4	..	1014·8	+2·7	294·8	299·4	30th	288·0	282·2	15th	291·4	+1·3	..	66	− 20
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
1421	Islota de los Evangelistas	52 24	75 6	55	995·6	1002·3	+0·4	283·5	284·9	6th, 7th	279·7	276·6	29th	281·6	+0·3	*282·1*	235	− 84
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·2	1000·7	+1·1	288·0	292·0	26th	279·7	275·5	22nd	283·9	−0·3	*283·7*	39	+ 9
1423	Punta Dungeness	52 24	68 26	5	999·9	1000·5	+0·4	286·9	290·8	29th	282·7	280·2	2nd	284·8	+0·4	*285·2*	52	+ 21
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	992·3	998·4	..	283·2	285·7	30th	278·4	276·1	28th, 29th	280·8	..	280·5	61	..
1425	Cape Pembroke	51 41	57 42	21	997·9	999·7	+0·3	285·3	291·3	30th	278·8	275·2	21st	282·1	−0·4	282·2	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	80	+ 9
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	995·2	+1·1	282·2	291·4	19th	274·4	271·6	8th	278·3	−0·7	*277·6*	87	+ 12
1467	Macquarie Island	54 30	158 57	9·1	..	994·9	−1·3	..	..	..	278·3	..	..	279·8	..	..	..	..
		° S.	° W.															

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	6·7	992·1	993·0	+1·5	274·3	276·4	9th	271·5	267·5	31st	272·9	−0·3	272·8	42	+ 2
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction and Force. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
	m/s.													
1	170	170	150	160	8·0	E 3	NE 2	N 4	SW 4	NE	SE 2	W 4	W 2	Calm 0
2	160	160	160	150	5·3	ENE 3	NE 5	N 2	S 4	N	E 2	WNW 3	W 2	E 2
3	160	160	170	150	7·0	ENE 4	NE 2	N 2	W 4	N	Calm 0	WNW 3	NW 3	NE 3
4	160	150	150	160	9·7	E 4	Calm 0	N 2	SW 4	N	SE 3	N 3	WNW 5	NE 5
5	170	150	160	170	10·0	Calm 0	NE 3	N 4	SW 4	N	Calm 0	NW 4	Calm 0	NE 3
6	150	160	160	160	10·4	E 3	E 2	N 4	SW 4	N	NW 2	NNW 2	Calm 0	E 3
7	160	135	150	160	9·5	E 2	NE 3	Calm 0	SW 4	N	NW 1	W 4	N 1	E 2
8	150	150	150	160	9·5	E 5	NE 6	NE 10	N 6	NE	Calm 0	NNW 3	Calm 0	E 2
9	150	150	170	160	9·6	NE 5	NE 5	NE 8	NE 6	NE	E 1	N 1	Calm 0	E 2
10	150	135	150	150	7·4	NE 4	NE 4	Calm 0	SW 4	W	E 1	W 3	W 2	SE 2
11	135	150	150	160	5·8	NE 4	NE 2	Calm 0	W 2	Calm	NW 1	W 3	W 3	Calm 0
12	150	160	160	160	5·9	NE 4	NE 2	N 2	Calm 0	W	E 2	NW 4	NW 3	E 2
13	160	160	150	160	6·1	NE 3	NE 3	Calm 0	Calm 0	W	SE 2	W 4	NW 3	Calm 0
14	160	135	135	150	7·1	NE 4	NE 4	NE 6	SW 4	NW	NW 2	WNW 3	NW 2	E 3
15	150	135	150	150	7·0	NE 5	Calm 0	NE 4	W 4	W	SW 1	N 2	NW 1	E 3
16	160	160	150	150	7·1	E 3	NE 4	SW 2	SW 4	NW	Calm 0	N 1	Calm 0	E 3
17	160	150	160	170	9·9	E 2	Calm 0	N 2	W 4	Calm	Calm 0	NE 1	Calm 0	NE 1
18	170	150	150	170	7·8	NE 3	NE 2	Calm 0	SW 4	Calm	E 2	Calm 0	E 1	Calm 0
19	150	150	160	170	5·5	NW 2	W 2	SW 2	SW 4	Calm	W 2	W 1	Calm 0	E 3
20	170	160	160	170	7·4	W 3	SE 3	SW 2	W 4	N	Calm 0	Calm 0	Calm 0	E 3
21	170	150	150	150	10·4	SE 2	SE 2	Calm 0	SW 4	NE	Calm 0	NW 1	Calm 0	NE 3
22	135	135	150	150	9·9	SE 2	Calm 0	Calm 0	Calm 0	E	..	E 2	Calm 0	E 4
23	150	150	150	150	6·8	E 2	E 4	Calm 0	SW 4	E	SE 1	SE 2	Calm 0	NE 1
24	150	160	160	170	4·8	E 4	NE 5	NE 2	SW 4	NE	E 3	E 3	E 1	Calm 0
25	170	160	150	150	4·3	ENE 4	NE 5	NE 2	SW 4	NE	Calm 0	N 1	E 1	NE 2
26	160	150	170	160	3·7	ENE 5	E 4	Calm 0	SW 4	NE	Calm 0	NW 1	S 1	NE 2
27	170	..	..	..	(7·7)	E 3	NE 2	W 2	W 4	E	NW 1	S 1	Calm 0	E 3
28	..	..	160	160	(6·2)	SE 4	E 6	W 2	SW 4	E	E 2	SE 2	SE 1	Calm 0
29	160	135	135	135	6·5	ENE 4	E 2	N 2	SW 4	E	SE 1	E 2	Calm 0	NE 2
30	150	160	150	160	7·7	ENE 4	E 4	Calm 0	SW 4	E	SE 2	NE 2	Calm 0	Calm 0
31	160	135	150	160	6·3	E 2	ENE 3	SW 4	W 4	NE	Calm 0	E 1	Calm 0	SW 2
Mean	157	151	154	158	7·4	3·3	2·9	2·3	3·7		1·1	2·1	1·0	1·3
Resultant†	157°			..		70° (69)		265° (32)		25° (49)	105° (21)	320° (26)		80° (66)
Normal†	142°				7·3	102° (75)		..		71° (78)	322° (14)	88° (27)		89° (51)

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1914.

**Greenland Sea, Iceland, and Denmark Strait.*—"At the beginning of the month some ice was observed off the west fiords north of the Dyrefiord; very much ice in the Isafiord deep."

North Atlantic and Labrador.—"After the middle of the month several large icebergs and some floes were observed on the eastern border of the Newfoundland Banks, between 45° N. and 49° N. The eastern limits of icebergs and field-ice were 47½° W. and 47° W. respectively, the southern limit of both being 46° N. Belle Isle Strait was filled with drift ice and pack."

**Davis Strait and Baffin Bay.*—"On the 14th the first 'Storis' passed Cape Farewell. Disko Bay, the Waigat, and Umanakfiord froze towards the end of the month, but as in recent years the winter ice did not attain any great thickness. The state of the ice in Melville Bay seemed to indicate open water in Baffin Bay."

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	?1002·7	1005·3	− 3·9	..	..	..	243·2	238·7	6th	..	−3·5	*246·3*	1	−12
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1002·9	1004·5	− 5·1	..	269·4	28th	243·2	232·7	3rd	..	..	248·7	25	..
140																		
141	Gjesvaer	71 6	25 22	6·5	998·6	999·4	− 4·8	..	277·1	13th	266·8	261·9	22nd	..	+0·9	*269·5*	66	+12
142	Mehavn	71 1	27 47	6·4	999·0	999·8	− 2·2	..	277·7	13th	265·9	259·6	22nd	..	+1·4	*268·7*	38	−21
143	Vardö	70 22	31 8	10·0	999·1	1000·4	− 5·6	..	274·4	15th	264·9	258·8	23rd	..	+1·3	*268·2*	57	− 8
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. FEBRUARY—ZONE 2.

203	Nome	64 31	165 24	6·1	1006·5	1007·3	− 1·5	265·6	274·7	..	257·0	234·7	..	261·3	+3·1	..	15	− 4
204	Candle	65 55	161 57	? 2·4	..	..	..	256·6	270·8	20th	249·1	230·8	1st	252·9	..	..	..	..
205	Tanana	65 12	152 0	? 74	1003·2	?1013·2	..	257·5	268·6	..	252·7	228·6	..	255·1	+2·9	..	7	−11
206	Rampart	65 30	150 15	? 122	..	..	..	255·6	268·0	19th	248·8	228·6	1st	252·2	..	..	7	− 4
207	Valdéz	61 6	146 13	3·1	1006·9	1007·3	− 1·5	274·1	275·8	..	264·9	255·2	..	269·5	+2·6	..	90	−35
208	Eagle	64 46	141 12	250	983·4	1016·7	+ 0·5	259·4	271·9	..	248·3	231·9	..	253·9	+1·5	..	8	− 3
209	Dawson	64 4	139 20	328	976·6	1019·9	− 0·1	258·2	267·4	19th, 20th	250·5	233·6	3rd	254·3	+5·7	..	24	+ 6
210	Carcross	60 11	134 34	662	..	..	..	265·7	278·0	19th	256·9	237·4	4th	261·3	+3·7	..	14	−11
211																		
212	Fort Simpson	61 52	121 35	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 20	161	1005·4	1028·4	..	247·8	260·2	28th	238·2	227·4	3rd, 10th	243·0	−6·2	..	8	..
214	Fort Resolution	61 10	113 50	240	..	..	..	246·8	258·6	..	238·5	227·4	..	242·7	..	..	10	..
225	Jacobshavn	69 13	51 2	12·6	999·0	1000·7	− 7·2	251·6	269·7	19th	243·2	236·7	4th	247·4	−7·1	*247·9*	1	− 6
226	Godthaab	64 11	51 44	9·0	990·7	991·9	− 9·7	266·3	276·2	18th	259·4	250·9	4th	262·9	−0·3	*262·8*	2	−46
229	Angmagsalik	65 37	37 34	31·7	992·2	996·3	− 7·3	264·6	273·5	10th	256·9	247·6	23rd	260·7	−1·9	*260·7*	26	−17
230																		
231	Stykkisholm	65 5	22 46	11·3	988·8	990·3	−11·6	271·4	277·1	10th	266·8	262·5	24th	269·1	−0·9	*269·4*	25	−39
232	Vestmanno	63 26	20 15	7·7	983·0	994·0	− 7·5	276·6	281·1	28th	270·3	264·7	8th	273·5	−0·3	*274·0*	67	−47
233	Grimsey	66 33	17 58	22·0	991·0	991·9	−12·2	270·9	275·6	4th	267·4	263·5	15th	269·1	−0·8	*269·3*	2	−16
234	Berufjord	64 40	14 19	18·0	985·0	987·3	−16·2	274·6	278·2	4th, 28th	268·8	265·8	1st, 6th	271·7	+0·6	*272·4*	83	−13
235	Thorshavn	62 25	6 45	25·7	985·6	988·7	−16·5	279·1	282·0	27th, 28th	274·4	270·8	17th	276·7	+0·7	..	189	+46
236	Lerwick	60 9	W 1 8	18·0	991·7	994·0	−13·3	280·8	283·6	1st, 4th	276·8	273·0	20th	278·8	+2·3	..	108	+28
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	995·2	1000·6	−10·8	..	282·5	11th	275·9	271·4	26th	..	+3·8	*277·9*	184	+34
238	Christiansund	63 7	7 45	17·8	995·6	997·7	−11·3	..	282·6	4th	275·5	271·6	22nd	..	+4·0	*278·2*	*121*	+36
239	Trondhjem	63 26	10 25	39·5	995·2	1000·1	− 9·8	..	282·3	12th	272·0	265·0	27th	..	+4·6	*275·0*	44	−46
240	Bodö	67 17	14 24	20·5	995·9	998·5	− 8·7	..	278·4	13th	269·5	263·2	7th	..	+1·7	*272·0*	61	−20
241	Haparanda	65 50	24 9	9·2	1002·7	1003·9	− 7·6	267·3	278·0	2nd	259·1	248·0	7th	263·2	+2·4	*263·4*	28	0
242	Helsingfors	60 10	24 57	11·7	1007·2	1008·7	− 5·5	273·4	278·4	16th	269·8	259·9	21st	271·6	+5·4	*271·7*	21	−16
242*a*	Kuopio	62 54	27 40	99·7	993·9	1005·4	− 8·1	270·8	278·0	3rd	262·8	250·0	7th	266·8	+3·8	*267·3*	32	− 4
243	Kola	68 53	33 1	6·7	..	1002·7	− 4·2	..	274·6	15th	..	245·2	22nd	..	−1·1	*263·0*	16	0
244	Petrozavodsk	61 47	34 23	38·9	..	1007·1	− 6·4	..	278	..	..	250	..	..	+4·7	*267·9*	29	+ 3
245	Arkhangelsk	64 33	40 32	6·7	..	1004·2	− 6·5	..	274	..	..	246	..	..	+1·0	*261·3*	9	− 9
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1002·7	−13·7	..	269	..	..	237	..	..	−0·9	*256·7*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1027·5	− 2·3	..	268·5	23rd	..	230·6	16th	..	+1·8	*247·1*	7	+ 1
262	Iakoutsk	62 1	129 43	? 108	..	1027·6	− 1·0	..	266·0	13th	..	231·8	17th	..	+6·1	*242·4*	0	− 5
263	Verkholansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1019·1	1022·7	+ 4·2	..	261·4	13th	239·3	226·3	2nd	246·1	−0·6	..	2	− 4
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. °	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

FEBRUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302																		
303	Dutch Harbour	53 55	166 30	4·0	990·4	990·9	−12·2	277·7	283·0	2nd	273·3	266·3	27th, 28th	275·5	+2·7	..	195	+ 41
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	..	..	..	273·5	268·6	1st	276·2	..	..	198	+ 67
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1006·8	1010·2	+ 0·4	280·2	285·2	..	274·2	267·4	..	277·2	+2·7	..	181	+ 57
310	Prince Rupert	54 18	130 18	52	1005·1	1012·5	+ 3·7	280·5	287·4	15th, 19th	274·9	269·7	6th	277·7	+2·7	..	260	+ 65
311	Barkerville	53 2	121 35	1274	866·2	1015·9	+ 1·4	271·0	276·3	20th, 21st	262·6	241·3	5th	266·8	+1·4	*266·9	91	+ 25
312	Kamloops	50 41	120 29	380	977·0	1020·0	+ 3·1	272·3	283·8	27th	266·2	245·2	5th	269·2	−0·7	*269·2	55	+ 35
313	Calgary	51 2	114 2	1033	893·6	1019·3	+ 1·1	271·1	285·8	16th	257·6	239·1	5th	264·3	+1·0	*264·4	29	+ 15
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	966·5	1022·3	+ 2·9	259·6	280·1	25th	245·1	229·1	3rd	252·3	−2·2	*252·8	2	− 16
316	Qu'Appelle	50 30	103 47	645	940·7	1022·7	+ 3·9	260·4	279·7	27th	247·4	232·4	3rd	253·9	−2·4	*254·2	8	− 13
317	Minnedosa	50 15	99 50	515	958·0	1025·0	+ 3·2	257·2	276·9	27th	244·3	230·1	11th	250·8	−4·5	*250·6	8	− 7
318	Berens River	52 18	97 23	216	..	..	..	253·7	275·2	28th	240·9	228·0	19th	247·3	−5·5	*247·1	..	..
318a	York Factory	57 0	92 28	16·8	1020·7	1023·0	+ 6·4	..	..	..	234·0	223·0	10th	237·8	..	..	10	− 2
319	Fort Hope	51 33	87 49	335	..	..	..	..	263·6	..	..	225·8	..	246·9	..	..	5	− 6
320	Moose Factory	51 14	80 30	9·1	1019·9	1021·2	+ 2·6	256·0	277·4	28th	241·4	229·7	10th	248·7	−5·3	..	24	+ 9
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1011·1	1014·5	..	249·5	261·9	9th	234·7	234·7	4th	244·7	..	..	23	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	273·6	28th	..	245·8	21st	256·3	−6·3	..	1	− 64
327	Belle Isle	51 23	55 23	132·8	986·7	1004·6	− 1·5	261·4	270·8	8th	252·1	245·2	21st	256·8	−4·1	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	996·6	998·3	−14·4	282·9	285·2	2nd, 14th	278·4	275·8	9, 10, 21	280·7	+0·9	281·0	279	+148
335	Aberdeen	57 10	2 6	26·8	993·9	997·2	−13·1	281·1	284·7	2nd	276·6	272·4	25th	278·9	+2·4	278·9	58	+ 4
336	Greenwich	51 28	W o o	48·5	1002·1	1008·2	− 7·7	283·9	288·0	14th	276·4	271·3	27th	280·1	+2·7	279·9	62	+ 25
337	Uccle	50 48	E 4 22	100	1000·0	1012·3	− 4·3	283·3	287·9	15th	276·1	271·6	26th	279·7	+4·3	279·2	44	− 14
338	De Bilt	52 6	5 11	3·0	1011·2	1011·6	− 4·7	282·7	286·8	16th	275·2	271·6	28th	278·9	+3·6	278·6	31	− 19
338a	Hamburg	53 33	9 59	40	1007·5	1012·5	− 2·6	281·3	286·0	10th, 15th	275·7	272·4	26th	278·5	+3·9	*278·0	30	− 15
339	Copenhagen	55 41	12 36	5·0	1011·0	1011·6	− 2·1	278·2	282·7	15th	274·9	272·3	26th	276·5	+6·1	*276·8	29	− 4
340	Potsdam	53 23	13 14	84·9	1004·6	1015·2	− 0·9	281·6	285·7	22nd	273·2	268·5	7th	277·4	+3·1	276·6	12	− 21
340a	Upsala	59 51	17 38	24·0	1005·0	1008·0	− 5·2	276·4	281·7	15th	271·7	262·3	28th	274·0	+5·8	274·2	20	− 10
341	Warsaw	52 13	21 2	120	..	1017·8	+ 0·4	..	279	..	..	..	..	..	+3·8	*274·3	5	− 22
342	Jurjev	58 23	26 43	74·5	1001·6	1011·0	− 3·1	273·9	280·5	9th	269·4	258·0	24th	271·6	+5·7	272·1	23	− 4
343	Petrograd	59 56	30 16	4·8	..	1008·6	− 6·0	..	279	..	..	258	..	..	+6·4	*270·9	36	+ 13
344	Kiev	50 27	30 30	182·9	..	1019·4	+ 0·7	..	280	..	..	269	..	..	+6·2	*273·7	8	− 18
344a	Moscow	55 46	37 40	156	..	1012·2	− 8·7	..	277	..	..	262	..	..	+9·2	*272·3	27	− 0
345	Saratov	51 32	46 3	59·9	..	1014·0	− 8·0	..	277	..	..	261	..	..	+8·5	*272·2	15	− 8
346	Kazan	55 47	49 8	79·8	999·1	1009·3	−10·9	..	276	..	..	254	..	..	+7·9	268·3	35	+ 20
347	Orenburg	51 45	55 6	114·1	..	1014·7	− 9·3	..	274	..	..	250	..	..	+7·7	*266·6	47	+ 25
348	Perm	58 1	56 16	163·0	..	1005·1	−14·3	..	275	..	..	245	..	..	+3·6	*263·5	54	+ 24
349	Ekaterinburg	56 50	60 38	288·9	..	1007·1	−14·7	..	274	..	..	245	..	..	+4·4	*263·1	27	+ 19
350	Tobolsk	58 12	68 14	108	..	1005·9	−17·2	..	270·8	24th	..	244·1	12th	..	+2·5	*259·8	9	− 5
351	Akmolinsk	51 12	71 23	? 347	..	1019·1	− 9·0	..	273·6	20th	..	244·4	10th	..	+6·7	*262·7	..	..
352	Omsk	54 58	73 23	90	..	1011·5	−14·3	..	273·8	5th	..	?243·5	13th	..	+4·7	*260·0	21	+ 11
353	Barnaoul	53 20	83 47	162·2	..	1021·0	− 9·4	..	275·0	20th	..	247·1	1st	..	+8·1	*263·8	127	+ 114
354	Tomsk	56 30	84 58	121·6	..	1015·8	−11·5	..	272·6	8th	..	242·4	14th	..	+6·3	*262·3	64	+ 43
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1016·8	−11·4	..	274·3	6th	..	245·0	14th	..	+7·1	*261·5	..	− 8
357	Irkutsk	52 16	104 19	467	..	1029·4	− 3·1	..	271·8	27th	..	247·2	6th	..	+3·9	*259·2	1	− 5
358	Kirensk	57 47	108 7	? 263	..	1027·9	− 3·5	..	269·7	22nd	..	229·0	20th	..	+2·3	*252·5	14	− 1
359	Tchita	52 2	113 30	664	..	1039·1	+ 6·8	..	270·8	28th	..	237·5	6th	..	+1·6	*251·9	1	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1035·9	+ 6·8	..	265·0	25th	..	237·8	2nd	..	−0·6	*248·2	4	+ 5
361	Tygan Ourkan	54 5	124 46	? 359	977·9	1026·4	..	..	265·9	25th	240·4	234·2	14th	..	..	*250·6	2	..
362	Blagoveshchensk	50 15	127 31	133·6	1007·9	1025·9	+ 2·0	..	270·1	23rd, 27th	250·8	245·1	6th	..	+2·9	*257·1	1	..
363	Paikanskii Sklad	50 11	130 7	? 145	1004·7	1024·6	..	..	269·0	28th	241·6	235·6	4th	..	..	*251·2	1	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1016·3	1019·1	+ 1·6	..	265·2	11th	250·3	242·6	28th	..	+3·2	*256·0	7	− 5
366	Okhotsk	59 21	143 17	6·0	1017·5	1018·3	− 0·5	..	262·6	19th	250·9	245·5	27th	..	+3·4	*255·0	1	− 1
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	992·2	1003·4	− 0·1	..	272·2	6th	263·4	256·2	13th	266·0	+4·3	..	23	− 35
369																		
370																		
371																		
372		° ′	° ′	metres.	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

FEBRUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	1014·9	1018·1	+2·2	280·8	284·8	20th	276·3	269·4	5th	278·6	+1·0	278·3	40	− 50
412	Portland, Oregon	45 32	122 41	46·6	1014·5	1020·0	+2·0	281·9	286·9	26th	276·7	270·8	6th	279·3	+0·6	*278·8	106	− 34
413	Macleod	49 44	113 24	954	..	..	..	268·7	280·5	17th	255·3	235·8	6th	262·0	−3·5	*262·0	10	− 4
414	Helena	46 34	112 4	1253	873·6	1020·6	+0·7	273·1	284·1	27th	263·9	240·8	6th	268·5	+1·0	*268·4	27	+ 10
414a	Salt Lake City	40 46	111 54	1329	870·1	1021·3	+2·6	278·3	288·6	28th	270·5	261·3	6th	274·4	+0·8	*274·3	25	− 12
415	Cheyenne	41 8	104 48	1856	810·4	1019·6	+2·2	275·2	286·3	16th	263·7	243·0	6th	269·5	−0·5	*269·3	6	− 8
416	North Platte	41 8	100 45	859	919·6	1023·3	+3·9	275·3	290·8	16th	261·0	246·9	6th	268·2	−1·1	*267·8	24	+ 11
416a	Bismarck	46 47	100 38	510·6	961·5	1026·4	+5·3	264·3	284·1	27th	252·0	237·4	7th	258·2	−1·9	*257·9	9	− 3
417	Winnipeg	49 53	97 7	231·6	994·9	1025·7	+4·0	255·9	276·8	27th	244·8	233·3	10th	250·3	−4·6	*249·9	21	+ 1
418	Duluth	46 47	92 6	345·1	979·2	1023·3	+4·3	262·4	280·2	26th	251·0	239·7	11th	256·7	−4·2	*256·3	16	− 7
419	Port Arthur	48 27	89 12	196·3	996·6	1022·3	+3·3	262·6	280·8	27th	248·9	234·7	10th	255·7	−3·5	*255·7	10	− 8
420	Chicago	41 53	87 37	250·9	991·2	1022·7	+3·9	270·4	281·9	28th	262·6	251·9	8th	266·5	−3·0	*267·1	24	− 31
421	Toronto	43 40	79 24	115·5	1007·1	1022·3	+4·2	268·2	280·1	3rd	259·5	245·1	12th	263·8	−3·5	263·6	47	− 19
422	New York (Central Park)	40 46	73 58	29·6	1016·6	1020·3	+2·5	273·4	284·7	4th	265·3	253·6	12th	269·3	−2·8	269·4	85	− 5
423	St. John, N.B.	45 17	66 4	? 22	1013·5	1016·9	+2·9	268·5	279·6	7th	258·6	244·3	12th	263·6	−2·7	*263·8	66	− 33
424	S. W. Point, Anticosti	49 24	63 35	9·1	1010·1	1011·3	+1·4	262·6	272·4	8th	252·4	244·1	9th, 11th	257·5	−5·6	..	125	+ 84
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·6	1016·6	+4·1	272·6	281·3	..	265·3	254·7	..	268·9	−2·3	..	154	+ 33
426	St. Johns, Newfoundland	47 34	52 42	38·1	1003·4	1007·8	−1·0	267·6	280·8	8th	259·5	252·4	13th	263·6	−4·6	..	66	− 63
435	Madrid	40 24	3 41	655·4	940·7	1018·4	−2·0	285·3	289·3	15th	275·5	270·6	26th	280·4	+0·7	279·5	42	+ 10
436	Nantes	47 15	W 1 34	41·4	1007·3	1012·4	−6·6	284·9	287·3	10th	277·8	273·0	26th, 28th	281·3	+2·6	281·1	93	+ 38
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1007·2	1013·4	−5·0	283·6	288·0	8th, 10th	275·5	270·7	5th	279·5	+2·6	279·2	24	− 9
438	Marseilles	43 18	5 23	75	1007·3	1016·5	+0·1	286·2	289·7	16th	278·4	273·7	5th	282·3	+1·8	282·2	95	+ 54
438a	Zürich	47 23	8 33	493·2	958·6	1018·7	−1·7	280·5	288·9	22nd	270·9	261·4	5th	275·7	+1·1	274·9	33	− 23
439	Rome	41 54	12 28	50·6	1011·3	1017·1	+0·6	286·5	289·2	14th	278·3	271·8	2nd	282·4	+0·9	*282·0	131	+ 67
440	Vienna	48 15	16 22	202·5	994·3	1020·5	+1·6	274·0	284·2	22nd	269·5	261·4	9th	271·7	−1·5	271·5	5	− 28
440a	Buda-Pesth	47 30	19 2	129	1005·7	1022·0	+2·9	275·6	290·8	27th	268·6	262·2	7th	272·1	−1·4	271·6	11	− 20
441	Bucharest	44 25	26 6	82	1012·1	1022·6	+2·3	276·1	286·0	24th	267·3	259·9	17th	271·7	−1·0	271·4	1	− 26
443	Odessa (University)	46 29	30 44	65	..	1022·0	+2·8	..	284	..	..	270	..	..	+4·6	*275·2	2	− 19
444	Kharkov (University)	50 0	36 14	140	..	1019·4	−1·3	..	277	..	..	268	..	..	+5·8	*273·0	15	− 11
444a	Novorossiisk	44 44	37 49	37	..	1022·8	+4·3	..	291	..	..	271	..	..	+2·8	*279·0	..	..
445	Tiflis	41 43	44 48	409	..	1023·6	+1·6	..	291	..	..	267	..	..	+2·9	*277·9	1	− 18
446	Astrakhan	46 21	48 2	−14	..	1021·4	−1·2	..	282	..	..	259	..	..	+7·1	*273·9	9	0
447	Fort Alexandrovsk	44 31	50 16	24	..	1021·4	−0·9	..	282·9	24th	..	266·9	15th	..	+5·3	*275·0	7	− 1
448	Krasnovodsk	40 0	52 59	−15	..	1023·0	+1·2	..	287	..	..	268	..	..	+2·5	*279·8	..	..
449	Tachkent	41 20	69 18	478·3	..	1025·0	+0·9	..	287·8	23rd	..	264·2	1st	..	+1·3	*275·6	77	+ 47
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1020·7	1026·5	+0·1	271·9	283·8	28th	258·5	246·6	9th	265·2	+1·9	265·2	8	+ 2
462	Joshin	40 40	129 11	4·0	1022·3	1022·8	+2·7	275·2	281·0	15th, 25th	266·9	260·6	2nd	271·1	+2·2	270·7	0	− 16
463	Vladivostok	43 7	131 55	26·8	1020·3	1023·8	+0·6	..	275·8	25th	259·0	253·0	10th	..	+1·0	*264·0	4	− 3
464																		
465	Ochiai	47 20	142 44	6·6	1016·0	1016·9	+3·7	267·6	274·6	16th	252·6	241·3	3rd	260·1	+1·4	260·6	5	− 35
466	Nemuro	43 20 N.	145 35 E.	26·7	1012·2	1015·6	+3·3	270·6	277·8	26th	264·4	260·6	8th	267·5	+0·1	267·6	1	− 19

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
511	San Francisco	37 48	122 26	47·2	1013·9	1019·6	+0·5	288·6	292·4	28th	281·8	279·1	4th	285·2	+1·1	*284·8	128	+ 37
512	San Luis Obispo	35 18	120 39	61·3	1012·2	1019·6	+0·6	291·3	298·0	14th	280·8	274·7	3rd	286·1	+1·3	*286·1	84	− 14
513	Modena	37 48	113 54	1670	834·7	1019·6	+2·2	279·2	287·4	28th	267·6	259·1	7th	273·4	+0·7	*273·4	25	− 3
514	San Diego	32 43	117 10	26·5	1014·9	1017·9	+0·3	291·1	298·6	15th	283·1	279·1	12th	287·1	+1·2	*286·8	48	− 4
515	Santa Fé	35 41	105 57	2138	786·0	1018·3	+2·4	279·3	285·8	21st	267·3	261·3	7th	273·3	0·0	*273·0	16	− 3
516	Denver	39 45	105 0	1613	835·8	1018·9	+2·7	279·7	294·1	21st	265·6	246·9	6th	272·6	−0·7	*271·8	10	− 3
517	Abilene	32 23	99 40	529·6	958·0	1020·6	+2·3	287·3	296·3	22nd	271·9	260·8	7th	279·6	−0·6	*279·5	4	− 21
518	Saint Louis	38 38	90 12	173·1	1000·5	1022·0	+2·3	275·5	289·7	17th	265·4	255·8	7th	270·5	−3·4	*270·4	118	+ 48
519	Mobile	30 41	88 2	17·4	1018·6	1020·6	+1·0	289·0	298·6	6th	279·2	272·4	8th	284·1	−0·9	*283·9	193	+ 58
520	Nashville	36 10	86 47	166·4	1001·6	1022·0	+1·8	281·8	293·0	6th	270·9	263·0	24th	276·3	−1·6	*276·5	52	− 58
521	Charleston	32 47	79 56	14·6	1018·8	1020·6	+0·5	286·4	293·6	19th	278·0	269·7	25th	282·2	−1·4	*282·5	174	+ 90
522	Washington	38 54	77 3	34·1	1017·1	1021·3	+1·7	276·5	288·0	3rd	267·4	254·7	25th	271·9	−2·9	*271·5	77	− 7
523																		
524	Bermuda	32 18	64 46	46·0	1014·4	1019·9	+1·7	291·9	294·7	8th	286·3	281·8	25th	289·1	−0·7	..	264	+154
531	Horta	38 32	28 38	28	1017·5	1020·3	+1·4	288·7	290·7	13th, 22nd	284·4	280·2	8th	286·5	−1·2	*286·1	86	− 16
532	Ponta Delgada	37 44	25 40	17	1019·8	1021·0	+1·0	288·4	289·7	21st	284·8	279·3	8th	286·6	−0·1	*286·3	102	− 36
533	Madeira (Funchal)	32 37	16 54	25	1020·3	1023·3	+2·5	291·2	294·7	22nd	285·2	283·0	10th	288·2	−0·3	*288·2	37	− 42
535	Lisbon	38 43	9 9	95	1005·7	1017·1	−2·8	287·5	290·3	15th	282·5	278·1	7th	285·0	+4·6	*288·7	125	+ 38
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6 N.	5 21 W.	16·2	1017·5	1019·4	+0·6	289·0	291·9	14th, 19th	283·2	279·7	25th, 26th	286·1	−0·2	*286·3	128	+ 21
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*

FEBRUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	977·1	1018·2	−0·3	287·2	293·5	16th	281·5	277·9	25th	284·3	+0·9	284·1	97	+ 35
538	Palma	39 34	2 38	23	1014·2	1016·9	−0·8	288·9	292·2	10th	282·8	279·0	1st	285·9	+1·6	..	33	− 2
538a	Tunis	36 48	10 10	33	..	1017·3	+0·7	290·3	297·2	22nd	280·8	275·9	3rd	285·5	+1·7	*285·1	66	+ 14
539	Malta	35 54	14 31	58·8	..	1020·0	+3·0	288·3	291·7	21st	283·7	281·3	24th	286·0	+0·6	..	43	− 8
540	Catania	37 30	15 3	64·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
541	Athens	37 58	23 43	107·1	1007·1	1020·3	+3·7	286·7	291·4	26th	280·0	276·5	17th	283·4	+1·1	283·1	46	+ 8
542	Alexandria	31 9	29 54	32·0	1015·0	1018·8	+1·0	292·9	301·8	27th	284·4	282·3	21st	288·7	+0·1	*287·4	31	+ 7
543	Cairo (Helwan)	29 52	31 20	115·6	1005·1	1019·1	+0·8	293·1	305·1	27th	281·5	278·7	5th	287·3	+0·2	*286·4	3	− 2
544	Nicosia	35 11	33 22	152	..	1018·6	+1·7	290·7	294·1	26, 27, 28	276·0	273·6	7th	283·3	0·0	..	16	− 27
544a	Beirut	33 54	35 28	52·4	..	..	..	290·0	295·2	28th	284·6	282·5	4th	287·3	+0·4	..	49	− 103
545	Baghdad	33 21	44 28	38·7	1014·3	1019·2	−0·6	290·5	293·8	28th	†280·3	276·2	7th	†285·4	0·0	..	48	+ 13
546	Lenkoran	38 46	48 52	−19	..	1022·6	+1·0	..	288	..	..	272	..	..	+2·1	*279·6	64	+ 29
547	Busrah	30 31	47 53	7·6	1018·0	1019·1	−1·2	289·4	291·7	24th	281·9	277·7	1st	285·7	−1·0	..	55	− 21
548	Meshed	36 16	59 35	946	909·5	1021·7	..	281·9	289·7	25th	?271·3	..	..	?276·6	+0·5	..	3	
549	Quetta	30 11	67 3	1677	834·0	..	−0·3	281·6	288·1	27th	271·3	266·2	17th	276·4	−2·2	..	84	+ 33
550																		
551	Lahore	31 34	74 20	214·0	991·6	1015·9	−0·3	293·6	297·9	27th	280·9	277·5	19th	287·3	−0·3	*287·1	39	+ 14
551a	Simla	31 7	77 8	2205	781·0	..	+0·8	280·7	285·9	28th	275·3	269·7	19th	278·1	+0·3	..	99	+ 15
552	Leh	34 10	77 42	3503	664·0	..	+0·1	273·6	278·6	28th	260·9	256·9	5th, 6th	267·3	+0·4	..	8	− 1
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	83	+ 24
559	Hang Kow	30 35	114 17	37·0	1019·4	1024·0	−1·5	284·6	290·5	12th	277·4	272·0	8th	281·0	+2·0	*280·6	100	+ 63
560	Tiensin	39 10	117 10	5·0	1025·8	1026·5	+0·1	278·8	287·2	28th	268·9	254·9	9th	273·9	+2·3	*273·6	8	+ 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1023·5	−1·4	284·7	292·9	17th	275·8	267·8	11th	280·2	+2·2	279·3	80	+ 22
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1024·0	+0·9	277·7	286·0	16th	270·2	264·6	10th	273·9	+1·3	273·5	7	+ 13
562a	Nagasaki	32 44	129 52	133·0	1004·0	1020·5	+0·6	283·5	291·0	17th	277·0	273·5	13th	280·3	+1·1	279·7	106	+ 28
563	Kioto	35 1	135 44	42·9	1015·0	1020·3	+1·7	282·6	289·9	17th	272·7	268·9	5th	277·7	+1·4	277·1	67	+ 6
564	Tokio	35 41	139 45	21·3	1015·8	1018·4	+2·7	281·6	287·2	17th	272·6	269·4	4th	277·1	0·0	276·5	65	− 5
565	Miyako	39 38	141 59	30·4	1013·5	1017·3	+2·7	281·3	288·1	25th	268·7	264·6	3rd	275·0	+1·0	273·5	22	− 44
566																		
		N.	E.															

FEBRUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1015·8	1017·2	+0·9	298·1	300·2	..	291·7	289·1	..	294·9	+0·3	..	61	− 43
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1019·2	1021·3	+2·5	288·0	295·8	6th	281·1	270·2	24th	284·6	−1·5	284·6	84	+ 11
618	New Orleans	29 58	90 4	15·5	1018·8	1020·6	+1·6	289·7	299·1	6th	279·9	272·4	26th	284·8	−1·9	284·6	160	+ 51
619	Havana	23 8	82 22	24·3	..	1018·7	+0·8	299·4	304·0	13th	291·6	287·2	23rd	295·5	+0·8	295·4	25	− 23
620	Key West	24 33	81 48	6·7	1017·6	1018·3	−0·3	296·9	300·8	13th	291·2	286·9	27th	294·1	−1·0	293·6	24	− 15
621	Nassau, Bahamas	25 5	77 21	3·7	..	?1019·8	+0·8	298·0	301·1	8th	292·4	288·8	16th	295·2	+0·2	..	40	− 1
622																		
633	La Laguna	28 28	16 20	547	958·6	1023·0	+2·4	288·0	293·3	15th	281·8	277·7	20th	284·9	−0·8	..	86	+ 11
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	285·2	291·4	14th	270·3	263·2	8th	277·7	+0·8	..	27	− 45
637	Insalah	27 8	E 2 27	280	..	..	..	296·4	301·0	28th	279·2	276·1	18th	287·8	−0·4	287·0	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	1004·3	1019·8	−1·6	297·7	309·2	28th	280·3	277·1	5th	289·0	+1·8	289·0	..	..
643	Tor	28 13	33 37	1·9	1015·7	1015·9	0·0	294·2	299·5	28th	282·6	279·6	6th, 7th	288·4	−0·1	288·0	..	..
644	Aswan	24 2	32 53	99·6	1005·3	1017·2	−1·0	298·1	307·7	28th	283·5	281·1	6th, 19th	290·8	−0·8	289·2	..	..
647	Bushire	28 59	50 53	4·3	1017·9	1018·5	+0·5	291·0	294·7	27th	284·7	282·4	1st	287·9	−0·2	..	62	+ 10
648	Jask	25 44	57 47	4·0	1016·2	1016·6	+1·1	296·1	300·1	28th	288·8	286·0	10th	292·4	−0·8	..	78	+ 56
649	Kurrachee	24 53	66 57	4·0	1016·8	1017·2	+0·3	296·9	300·1	5th	288·2	284·2	19th	292·5	−0·8	..	48	+ 38
650	Hyderabad, Sind	25 24	68 18	29·3	1013·9	1017·4	+1·2	297·5	301·9	7th	284·7	280·3	18th	291·1	−1·5	..	20	+ 15
651	Jaipur	26 56	75 52	436·5	966·1	1014·2	−1·1	298·6	302·6	28th	283·5	278·2	5th	291·1	−0·1	290·6	0	− 7
652	Nagpur	21 8	79 5	310·2	979·9	1015·5	−0·2	305·5	309·3	28th	288·8	283·9	19th	297·2	+0·8	..	8	− 3
653	Allahabad	25 25	81 51	94·1	1004·6	1014·1	−0·1	301·6	306·4	15th	285·1	279·4	21st	293·3	+1·6	292·6	5	− 3
654	Calcutta	22 36	88 23	6·4	..	1013·6	+0·3	302·1	306·2	15th	290·9	285·0	7th	296·5	+1·8	296·2	26	
655	Gauhati	26 8	91 41	59·7	1010·0	1017·0	+0·8	298·3	301·0	26th	285·6	282·5	2nd	291·9	+0·4	..	98	+ 76
655a	Cherrapunji	25 15	91 42	1314	870·6	..	+0·4	290·1	294·3	23rd	282·5	279·6	21st	286·3	+0·8	..	98	+ 25
656	Shillong	25 33	91 48	1500	851·5	..	+0·7	291·1	294·6	14th	280·1	275·6	21st	285·6	+1·2	..	50	+ 10
656a	Akyab	20 11	92 56	6·1	1014·7	1015·4	+1·2	302·5	304·9	14th	289·2	286·1	1st	295·8	+0·1	..	0	− 3
657	Phu Lien	20 48	106 37	115·6	1002·2	1015·9	−1·0	294·7	301·1	7th	289·8	284·9	23rd	292·3	+1·9	291·7	79	+ 52
658	Moncay	21 31	107 51	9	1015·7	1016·8	−0·4	294·3	300·8	21st	288·0	280·9	23rd	291·1	+1·6	290·4	134	+ 91
659																		
660	Hong Kong	22 18	114 10	33·2	1014·4	1018·3	−0·5	292·4	298·7	19th	288·5	282·3	11th	290·4	+2·6	290·3	82	+ 39
661	Taihoku, Formosa	25 2	121 31	9·3	1019·0	1020·1	+0·1	293·1	303·3	18th	285·5	277·5	12th	289·3	+1·2	288·8	90	− 34
662	Naha	26 13	127 41	10·5	1018·3	1019·6	+2·0	293·0	298·5	20th	285·9	281·8	4th, 14th	289·5	+0·7	289·5	105	− 25
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	809·9	..	..	296·1	301·0	7th	280·3	277·0	1st	288·2	..	288·7	31	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·4	..	+2·2	294·3	297·6	7th	281·0	278·3	1st	287·7	+0·9	287·8	3	− 4
718a	Oaxaca	17 4	96 44	1563	847·3	..	..	301·9	306·1	6th	283·0	278·8	1st	292·5	..	292·3	0	..
719	Belize	19 29	88 12	1·9	..	..	..	..	301·3	..	..	291·3	..	..	..	..	137	+ 62
720	San Salvador	13 44	89 9	657	939·6	1013·0	+1·5	..	306·4	..	..	283·4	..	296·0	+0·2	..	5	+ 1
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·4	+0·1	301·7	304·4	10th	293·6	290·6	27th	297·7	+0·3	297·3	46	+ 7
722	Port au Prince	18 34	72 22	37·4	1011·9	1016·2	+0·9	304·4	307·1	11th	293·4	291·4	22nd, 27th	298·9	+0·2	298·2	18	− 29
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·6	1015·3	−0·3	300·6	302·2	21st	295·5	292·2	23rd	298·1	+0·3	..	50	− 4
724	Grenada (Richmond Hill)	13 3	61 15	155·1	995·7	1013·6	0·0	301·3	303·6	26th, 27th	295·3	293·6	10th	298·3	+0·3	297·9	53	− 19
725	Barbados	13 8	59 36	55·2	..	1015·3	+0·4	301·1	302·8	16th	295·3	291·1	25th	298·2	+0·8	298·0	29	− 6
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1016·2	1017·5	+2·3	296·0	299·0	1st	290·7	290·0	sev. dates	293·3	−1·0	293·7	0	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·5	1017·5	+2·8	297·1	299·2	14th, 26th	292·7	291·9	18, 20, 21	294·9	−0·3	294·8	0	− 2
733	Bathurst	13 24	16 36	1·5	..	1012·1	−0·7	302·8	306·9	15th	291·4	288·6	16th, 24th	297·1	+0·2	296·9	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·6	313·6	26th	292·0	289·7	21st, 22nd	300·8	+0·4	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	308·4	313·6	28th	290·7	286·3	13th, 16th	299·6	+0·7	..	0	0
738	Kaduna Junction	10 50	7 25	640	..	..	..	306·0	309·1	1st, 2nd	288·1	283·0	8th	297·1	..	..	7	+ 2
739	Maiduguri	11 47	13 11	361	..	..	..	307·9	315·8	26th	289·3	284·7	18th	298·6	−0·3	..	0	0
740	Katagum	12 17	10 22	307	..	..	..	307·6	313·0	27th	287·6	282·4	17th	297·6	−0·1	..	5	+ 4
742	El Obeid	13 11	30 14	585	948·9	1014·5	−0·3	305·4	313·3	28th	286·3	281·0	6th	295·9	+0·6	295·0	0	0
743	Khartoum	15 37	32 33	390	969·1	1013·4	+0·3	305·0	312·5	27th	288·2	282·9	20th	296·6	−0·5	295·7	0	0
744	Port Sudan	19 37	37 13	5·9	1013·2	1013·9	+0·9	299·3	300·7	28th	291·8	288·0	9th	295·6	−0·5	295·4	0	− 7
746	Aden	12 45	45 3	28·7	1011·9	1015·2	−0·2	300·3	303·8	20th	296·9	294·7	6th	298·6	+0·5	..	1	− 6
751	Bombay	18 54	72 49	11·3	..	1013·5	+0·9	301·3	303·1	21st	293·7	289·7	19th	297·5	+0·3	297·1	2	+ 1
752	Bangalore	12 59	77 38	920	913·7	1013·7	+1·0	304·5	307·2	20th	289·0	284·7	3rd	296·7	+0·9	296·4	0	− 5
752a	Kodaikanal	10 14	77 28	2343	773·1	..	+0·6	294·2	297·6	20th	281·7	278·0	4th	287·9	+1·0	287·9	4	− 29
753	Madras	13 4	80 14	6·7	..	1014·0	+1·2	303·2	304·8	17th	293·3	290·4	25th	298·2	−0·2	297·8	0	− 8
754	Waltair	17 45	83 16	68·9	1007·8	1015·8	+1·0	302·2	304·6	6th	294·4	291·3	10th	298·3	+0·1	..	3	− 23
755	Port Blair	11 40	92 40	17·7	1011·9	1013·9	+0·6	303·2	305·0	20th	296·1	294·1	24th	299·6	−0·9	..	0	− 26
756	Rangoon	16 46	95 48	5·5	1014·2	1014·8	+1·5	306·4	310·0	12th	290·8	288·6	5th, 11th	298·6	−0·8	..	0	− 7
757	Saigon	10 46	106 42	11·2	1011·5	1012·7	+1·7	305·8	307·2	2nd	295·2	293·2	1st	300·5	+0·1	..	9	+ 6
758	Nhatrang	12 16	109 12	3·7	1014·0	1014·5	+0·7	301·7	303·8	2nd	292·9	290·6	16th	297·3	−0·7	..	57	+ 40
759	Bolinao	16 24	119 53	9·7	..	1013·5	+1·2	303·2	305·5	27th	293·5	289·9	13th	298·3	−0·7	298·3	72	+ 61
760	Vigan	17 34	120 23	14·7	..	1013·8	+1·7	302·9	304·4	10th	294·0	290·5	24th	298·5	−0·5	298·1	0	− 5
761	Manila	14 34	120 59	14·2	..	1014·0	+1·4	303·9	306·1	28th	291·9	289·3	19th	297·9	−1·1	297·2	7	− 4
762	Ormoc	11 0	124 36	5·6	..	1013·1	+2·0	304·1	306·2	3rd	292·6	289·6	19th	298·3	+0·1	298·1	3	− 107
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·8	303·6	26th	296·8	295·0	14th	299·3	+0·5	..	102	+ 29
		N	E.															

Between Latitude 10° N. and 0°. FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·9	305·6	13th	298·0	296·6	15th, 16th	301·0	+0·6	300·2	435	+155
819	Culebra	9 10	79 40	123·1	..	1011·5	0·0	304·1	305·2	3rd	294·7	291·9	24th	299·4	+0·6	..	5	− 12
819a	Colon	9 23	79 23	3·0	..	1012·2	+0·2	302·4	303·0	7th	298·0	295·8	24th	300·2	+0·8	..	34	− 8
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	30	− 30
822	Caracas	10 31	66 56	1025	901·0	..	+1·3	..	..	..	..	..	..	..	..	..	0	− 11
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·6	..	..	301·8	303·1	5th, 7th	294·1	292·4	26th	298·0	..	..	84	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·5	+1·9	301·7	302·4	22, 23, 25	297·1	295·8	11th	299·4	+0·3	..	62	− 86
826	Paramaribo	5 49	55 9	4	..	1013·8	+0·6	..	..	..	..	..	..	300·5	+1·8	..	129	− 50
826a	Cayenne	4 56	52 21	6	..	..	..	301·9	303·8	27th	296·5	295·0	10th	299·2	−0·2	299·2	283	− 29
833	Conakry	9 31	13 43	16	1010·0	1011·8	+0·4	305·1	307·4	..	296·6	295·0	..	300·9	+0·3	300·9	0	0
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·6	1012·4	+1·4	306·3	308·6	7th	294·2	292·4	24th	300·3	−0·6	..	0	− 7
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·1	308·0	7th	295·8	293·6	16th	299·9	0·0	..	2	− 24
836	Accra	5 35	W 0 6	18	..	..	..	304·8	306·3	3, 8, 10	295·9	294·1	14th	300·4	+0·3	..	9	− 23
837	Lagos	6 27	E 3 24	1·8	..	1011·0	+0·9	304·7	305·4	..	298·0	295·2	..	301·3	+0·5	..	30	− 21
838	Zungeru	9 49	6 10	185·3	..	1013·3	+2·7	310·0	311·3	1st, 28th	293·8	290·8	2, 9, 16	301·9	+0·3	..	0	− 1
838a	Libreville	0 23	9 26	35	..	..	..	304·3	305·8	16th	296·1	294·0	14, 22, 27	300·2	+0·5	..	452	+215
839	Yola	9 12	12 30	259	..	..	..	308·7	311·9	26th	295·1	292·4	8, 9, 16	301·9	0·0	..	0	0
841	Wau	7 42	28 3	440	962·4	1011·3	+1·3	311·0	313·6	23rd, 28th	293·7	289·1	13th	302·3	+1·2	301·1	0	− 7
842	Malakal (Kodok)	9 53	32 8	387·5	965·5	1008·0	−0·1	310·8	315·1	27th, 28th	293·4	288·1	6th	302·1	+0·8	300·6	0	0
843	Entebbe	0 5	32 29	1171	884·5	..	+1·2	300·4	306·3	21st	291·2	288·6	17th	295·8	+0·6	294·9	81	− 8
844	Mongalla	5 11	31 47	439·0	958·0	1006·2	−0·9	311·0	314·0	28th	295·0	290·6	9th	303·0	+1·6	302·1	8	− 12
845	Harrar	9 42	42 30	1856	..	..	..	298·4	299·0	sev. dates	287·8	285·0	12, 13, 14	293·1	+0·2	293·1	32	− 2
851	Cochin	10 0	76 21	2·7	1013·8	1014·0	+0·7	305·4	306·6	27th	296·7	294·4	1st	301·1	+0·3	..	2	− 17
852	Colombo Observatory	6 54	79 53	7·3	1011·3	1012·1	+1·7	304·2	306·9	10th	294·9	292·2	6th	299·6	−0·4	..	40	− 13
852a	Newera Elija	6 59	80 47	1886	..	..	..	295·7	298·6	26th	277·4	270·3	8th	286·5	−0·7	..	13	− 38
853	Trincomalee	8 34	81 14	30·2	1009·7	1013·1	+2·0	304·4	306·7	28th	296·6	294·6	5th, 8th	300·5	+0·6	..	3	− 49
855	Medan	3 35	98 41	23·5	..	1011·6	+0·2	304·5	306·0	19th	294·8	293·0	13th	299·7	..	298·9	23	− 72
856	Kota Radja	5 32	95 20	7·1	..	1012·3	+0·8	..	..	..	..	..	..	..	..	..	85	− 5
857	Penang	5 34	100 20	6·3	1010·2	1010·9	+0·6	306·3	308·6	20th	296·6	294·7	18th	301·5	+0·7	..	121	+ 53
858	Singapore	1 17	103 51	3·0	1011·7	1012·0	+1·7	305·6	306·8	27th	295·8	293·0	14th	300·7	+0·9	..	77	− 93
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Tagbilaran	9 38	123 51	26·2	..	1012·6	+2·0	?303·3	304·9	1st	?292·4	?290·4	? 11th	?297·9	−1·2	297·5	..	..
861a	Menado	1 30	124 50	3·5	..	1011·2	+1·5	302·1	304·4	28th	295·6	293·3	22nd	298·9	..	298·4	263	− 98
862	Surigao	9 48	125 29	6	..	1012·9	+2·3	301·9	303·4	20, 26, 28	294·4	292·6	14th	298·1	−0·4	298·0	83	−267
863	Yap	9 29	138 8	31·9	..	..	..	303·7	304·7	1, 19, 23	296·4	295·0	3rd	300·1	..	..	230	+ 43
		N	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

FEBRUARY—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·5	1010·5	+0·5	307·4	307·7	2nd	..	..	..	−1·0	*300·0*		120	+ 81
906																		
923	Manaos	3 8	59 59	44·9	1003·4	1008·5	+0·1	..	307·2	..	..	296·0	..	300·0	−0·1	..	296	+ 89
925	Turyassu	1 25	45 15	15·1	1009·7	1011·4	..	..	306·0	..	..	294·5	..	299·3	..	..	342	..
929	Quixeramobim	5 16	39 15	207·0	989·5	1013·0	+1·3	..	305·9	..	..	294·7	..	300·1	−0·5	*300·0*	82	− 17
930	Fernando Noronha	3 50	W32 20	93·0	1000·9	1011·6	+0·6	..	302·5	..	..	294·9	..	299·3	+0·5	..	26	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	301·1	305·2	7, 20, 27	289·6	285·8	12th	295·3	+0·7	*293·7*	56	− 54
944	Nairobi	1 18	36 59	1661	..	..	..	299·0	302·4	27th	283·7	281·6	21st	291·3	0·0	..	9	− 60
944*a*	Zanzibar	6 10	39 11	21·9	1011·5	1013·9	+0·6	304·1	305·1	14th	300·1	298·9	14th	302·1	+0·5	..	1	− 60
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	304·7	305	2nd	298·6	297·4	1st	301·6	..	..	0	− 3
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·3	+1·4	301·7	302·6	28th	298·5	296·6	12th	300·1	+0·2	..	250	− 81
957	Padang	0 56	100 22	6·7	..	1011·7	+0·2	303·5	305·1	13th	296·3	294·5	10th	299·9	..	299·4	486	+225
958	Batavia	6 11	106 50	8	1010·3	1011·2	+1·2	302·5	305·4	22nd	296·6	295·3	12th	299·5	+0·6	299·1	235	− 96
958*a*	Pontianak	0 1	109 20	2·6	..	1011·8	+2·2	304·6	307·0	20th	296·5	295·5	15th	300·5	..	299·6	78	− 117
959	Passeroean	7 38	112 55	5·0	..	1010·6	+1·6	304·5	305·8	26th	296·1	294·6	12th	300·3	+0·1	299·4	419	+149
960	Kajoemas	7 56	114 9	950	..	..	..	295·3	298·2	25th	289·8	288·2	14th	292·5	..	291·8	463	+ 18
962	Ambon	3 42	128 10	4·2	..	1010·7	+2·2	303·5	305·3	28th	296·7	295·5	7th	300·1	+0·5	299·6	94	− 72
963	Manokwari	1 10	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	203	..
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1009·1	+0·1	302·9	..	..	297·1	..	..	300·0	−0·7	..	457	+221
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1008·4	..	..	..	..	..	..	..	..	..	..	889	+414
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·1	1007·3	..	303·3	306·9	26th, 28th	296·3	294·1	2nd, 4th	299·8	−0·9	..	587	+179
970	Ocean Island	0 52	169 35	25·6	1004·0	1007·0	−1·0	303·7	306·8	25th, 26th	297·7	294·1	14th	300·7	−0·2	*300·1*	322	+ 95
		S.	E.															

FEBRUARY—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1003	Alofi, Niue Island	19 2	169 55	36·6	1007·1	1011·3	−0·5	304·6	308·6	4th	295·9	291·9	28th	300·3	+0·2	..	279	+ 27
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	299·2	299·4	sev. dates	291·0	290·2	16th, 21st	295·1	+1·2	*296·0*	0	− 0
1022	Arequipa	16 22	71 33	2451	761·5	..	+0·4	293·8	295·9	15th	283·4	280·8	24th	288·6	+0·8	*287·8*	9	− 35
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·3	..	..	297	..	..	283	..	..	290	+2	..	109	− 10
1026	Cuyaba	15 35	56 0	235	991·2	1018·0	+0·7	..	305·3	..	..	296·5	..	300·2	+0·2	..	105	−112
1027	Bello Horizonte	19 55	43 56	857	919·4	1014·9	..	299·2	304·2	5th	290·3	..	..	294·7	..	..	133	..
1028	Cætite	14 2	42 37	900	914·1	1014·1	+0·2	..	302·4	..	..	288·9	..	294·8	−1·3	*294·7*	75	..
1029	Ondina	13 12	38 30	46·6	1008·9	1014·3	..	..	304·0	..	..	292·0	9th	298·5	..	..	140	+ 25
1030	Aracaju	10 55	37 4	4·3	1013·4	1013·9	+0·7	..	304·3	..	..	295·8	..	300·2	−0·3	..	59	..
1035	St. Helena	15 57	W 5 40	632	945·6	1016·6	−0·4	296·9	300·8	3rd	288·4	287·5	3rd, 15th	292·2	+0·3	*292·0*	110	+ 18
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	857·0	..	0·0	298·0	302·7	14th	289·6	287·0	8th	293·8	+0·3	..	225	+106
1043	Salisbury, Rhodesia	17 48	31 5	1472	856·3	..	+0·6	299·0	303·1	12th	287·6	285·6	5th	293·3	+0·1	..	313	+109
1044	Zomba	15 23	35 18	899	..	1009·3	+1·5	298·7	299·7	1, 2, 14	288·4	287·4	5th	293·6	−1·3	*293·1*	254	− 22
1045	Tamatave	18 9	49 26	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tananarivo	18 55	47 32	1400	864·0	..	..	299·3	302·3	2nd	289·9	288·3	21st	294·6	+0·8	*293·6*	464	+171
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1013·0	+2·2	302·9	305·3	1st	298·4	296·3	10th	300·7	+0·2	..	92	− 93
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·8	1009·4	+1·7	304·7	306·9	..	297·8	296·3	..	301·2	+0·8	..	100	−192
1058																		
1061	Koepang	10 10	123 34	3·3	..	1010·6	+2·2	303·0	305·4	25th	296·8	295·3	12th	299·9	..	299·5	352	− 20
1061*a*	Derby	17 18	123 40	16·2	..	1010·2	+2·7	307·8	312·8	28th	298·6	294·7	26th	303·2	+0·2	..	62	− 92
1062	Hall's Creek	18 13	127 46	373·6	..	1008·5	+1·2	311·0	313·7	14th	297·1	290·2	25th	304·1	+1·6	..	29	− 94
1063	Port Darwin	12 28	130 51	29·6	..	1008·5	+2·2	306·5	309·4	20th	298·5	294·8	9th	302·5	+0·9	301·7	186	−143
1064	Daly Waters	16 16	133 23	210·6	..	1006·2	+0·8	311·1	313·6	22nd	297·4	294·4	20th	304·3	+1·7	*303·8*	52	−119
1065	Mein	13 13	142 47	121·9	..	1007·0	+0·4	304·2	308·0	20th	295·8	294·6	24th	300·0	−0·3	..	417	+139
1066	Georgetown, Queensland	18 22	143 32	301·8	..	..	..	306·4	310·2	21st	295·2	292·1	9th	300·8	+0·1	..	78	−125
1067	Samarai	10 37	150 40	..	..	1006·0	−2·0	..	..	..	297·1	..	..	301·1	+0·4	..	303	+ 59
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1007·9	1008·4	−0·5	303·3	306·9	7th	297·3	295·2	2nd, 28th	300·3	+0·4	..	343	+ 86
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. FEBRUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1008·8	1009·5	+0·1	301·9	303·6	20th	296·5	294·1	19th, 26th	299·2	+0·2	..	362	+108
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·6	1013·0	−1·2	293·3	295·4	15th	284·9	283·2	19th	289·1	+0·5	*290·5*	0	0
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1006·9	1014·3	+1·0	305·3	314·0	17th	293·0	288·0	9th	299·1	−0·6	*298·7*	96	− 4
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	913·3	1014·3	+0·3	..	305·0	..	..	287·1	..	..	+0·3	*293·6*	209	+ 68
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·4	1013·5	+0·1	..	306·4	..	..	294·7	..	..	−0·2	298·5	170	+ 56
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	298·4	303·8	3rd	286·5	282·0	27th	292·4	+0·8	..	78	− 52
1142	Kimberley	28 42	24 47	1202	881·5	..	+0·4	305·4	309·6	2nd	290·1	287·0	18th	297·7	+1·1	297·2	49	− 29
1142*a*	Pretoria	25 45	28 11	1338														
1143	Durban	29 51	31 0	80	..	..	..	297·6	300·2	8th, 14th	293·8	291·9	15th	295·7	..	..	231	+112
1144	Lorenzo Marques	25 58	32 36	59	..	1014·5	+1·7	303·2	307·4	12th	294·6	291·9	5th	298·9	−0·1	298·3	189	+ 64
1147	Mauritius	20 6	57 33	54·3	1005·1	1011·4	+0·4	303·1	304·6	6th	296·2	292·4	3rd	299·7	+0·6	299·4	218	+ 5
1159	Onslow	21 43	114 57	4·3	..	1008·4	+1·8	310·1	315·8	13th, 25th	297·7	293·6	27th	303·9	+1·1	..	3	− 22
1160	Peak Hill	25 38	118 47	588	..	1007·6	+1·1	311·4	316·6	2nd	297·3	290·1	18th	304·4	+1·5	..	40	+ 9
1161	Nullagine	21 53	120 5	386	..	1008·1	+1·7	312·7	314·8	5th	298·0	289·9	27th	305·3	+1·2	..	36	− 19
1162	Laverton	28 40	122 23	466	..	1012·3	+1·4	309·6	317·4	13th	293·4	287·4	22nd	301·5	+1·4	..	8	− 21
1163	Alice Springs	23 38	133 37	587	..	1008·3	+1·3	310·3	315·8	10th	292·9	286·3	14th	301·6	+0·8	302·5	0	− 42
1164	William Creek	28 55	136 21	76·2	..	1011·8	+1·2	310·7	317·4	5th	295·9	289·9	12th, 13th	303·3	+2·2	*303·1*	3	− 8
1165	Boulia	22 55	139 38	146	..	1007·4	+1·1	..	..	..	296·2	..	..	307·6	+4·5	..	0	− 52
1166	Mitchell	26 32	147 52	336	..	1010·5	+0·9	306·6	313·0	11th	290·4	287·2	17th	298·5	0·0	..	238	+152
1167	Rockhampton	23 24	150 30	11·3	..	1011·5	+1·4	305·2	308·8	20th	295·1	292·4	19th	300·1	+0·4	..	70	−126
1168	Brisbane	27 28	153 2	41·7	..	1013·7	+1·4	302·4	306·6	11th	293·1	290·3	16th	297·7	0·0	..	81	− 84
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

Between Latitude 30° S. and 40° S. FEBRUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	295·2	299·0	10th	289·6	288·5	10th	292·4	−0·3	*291·9*	12	− 18
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1008·8	1013·6	−1·0	295·5	307·5	13th	286·2	284·1	19th	290·9	−1·1	*289·8*	0	0
1222	Santiago	33 27	70 42	520	953·2	1012·4	−0·2	304·1	309·5	14th	284·5	281·9	28th	294·3	+1·4	*293·3*	0	− 2
1222*a*	Concepcion	36 50	73 3	15	1012·4	1014·2	..	298·0	303·8	13th, 14th	283·1	280·0	23rd	290·5	..	*290·3*	0	..
1223	Cordoba	31 25	64 12	439	963·7	1013·5	+0·1	304·8	311·2	12th	289·5	284·1	2nd	297·1	+1·2	296·7	97	− 10
1224	Bahia Blanca	38 45	62 15	20	1009·6	1011·9	+2·4	303·0	310·6	..	288·8	280·6	..	295·9	+1·1	..	47	− 4
1225	Buenos Ayres	34 16	64 11	25·2	1011·3	1014·2	+1·3	300·6	306·5	3rd	289·9	285·3	9th	295·2	−0·9	*295·0*	63	+ 2
1225*a*	Rio Grande	32 2	52 9	2	1012·0	1012·2	+0·9	299·1	303·9	19th	294·1	291·3	16th	296·6	−0·4	296·4	151	+ 65
1226	Montevideo	34 55	W56 13	24·9	..	1013·5	+1·7	..	303·5	6th, 17th	..	287·9	5th	..	−0·4	294·9	88	+ 28
1239	Cape Town	33 56	E18 29	12	..	..	..	299·4	307·6	7th	289·1	281·9	13th	294·3	+0·2	..	8	− 7
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1015·1	+2·0	300·7	312·4	24th	289·6	282·4	18th	295·1	−1·2	..	21	+ 9
1260	Katanning	33 42	117 35	310	..	1015·3	+1·2	301·5	313·9	12th	286·4	280·8	14th	293·9	−0·3	..	52	+ 37
1261	Coolgardie	30 57	121 10	423	..	1013·4	+1·0	305·8	314·3	16th	289·5	283·6	19th	297·7	+0·3	..	11	− 8
1262	Eucla	31 45	128 58	4·6	..	1015·2	+1·0	299·7	316·3	17th	290·9	285·2	21st	295·3	+0·6	..	8	− 8
1263	Streaky Bay	32 48	134 13	13·1	..	1016·2	+1·9	304·3	316·3	3rd	289·0	283·6	8th, 9th	296·7	+1·2	..	0	− 12
1264	Adelaide	34 56	138 35	42·7	..	1015·6	+1·3	305·4	317·4	18th	290·4	282·3	11th	297·9	+1·5	*297·3*	9	− 8
1265	Melbourne	37 49	144 58	35·1	..	1016·2	+1·7	301·1	314·1	17th	288·2	282·5	13th	294·7	+2·0	293·9	4	− 40
1266	Bourke	30 13	145 58	110	..	1014·2	+2·8	310·3	318·0	7th	294·8	289·4	15th	302·6	+1·3	..	40	− 3
1267	Sydney	33 51	151 13	44·5	..	1017·5	+3·5	298·6	307·9	9th	292·2	288·7	13th	295·4	+0·6	..	43	− 73
1268	Lord Howe Island	31 30	159 0	4·6	..	1015·9	..	298·3	301·9	11th	292·3	289·1	6th	295·3	..	..	110	− 17
1271	Auckland	36 50	174 50	38·1	..	..	..	295·4	298·0	20th	288·7	283·0	27th	292·1	−0·2	..	42	− 32
1272	Napier	39 32	176 53	21·3	..	1013·8	−1·4	298·1	304·1	12th	286·8	279·9	27th	292·4	+0·8	..	53	− 27
		S.	E.															

Between Latitude 40° S. and 50° S. FEBRUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1013·7	..	291·2	294·1	three times	284·6	278·6	28th	287·9	+0·8	..	122	+ 55
1302																		
1321	Isla Huafo	43 34	74 45	140	1001·4	1018·2	+1·6	288·5	292·5	7th	284·0	282·0	11th	286·3	+0·6	*285·8*	54	− 6
1322	Punta Galera	40 1	73 44	40	1013·1	1017·9	+1·7	289·1	291·9	8th	283·4	281·0	22nd	286·3	−0·2	*286·4*	30	− 46
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1015·3	+1·8	295·2	307·0	14th	285·1	281·9	8th, 11th	290·1	+0·2	*288·8*	3	− 34
1366	Launceston	41 27	147 10	10·1	..	1015·6	+1·5	299·8	305·9	15th	285·2	278·4	9th	292·5	+1·2	..	3	− 25
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·5	301·1	24th	280·7	275·8	17th	286·1	−0·4	..	55	− 27
1371	Dunedin	45 52	170 31	91	..	1011·7	−0·8	291·6	300·2	23rd	283·0	277·4	25th	287·3	+0·1	..	81	+ 8
1371*a*	Christchurch	43 32	172 38	7·6	..	1012·7	−1·6	293·9	303·8	24th	284·5	276·1	27th	289·2	+0·2	..	26	− 21
1372	Wellington	41 16	174 46	2·4	..	1014·2	−0·4	293·9	299·1	17th	286·8	280·4	27th	290·4	+0·5	..	49	− 34
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

FEBRUARY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·0	1000·7	−1·3	283·6	284·8	13th, 14th	280·2	278·8	12th	281·9	+0·5	*282·4*	420	+167
1422	Puerto de Punta Arenas	53 10	70 54	4	998·2	998·7	−0·5	288·7	295·8	27th	280·0	276·6	10th	284·3	+0·2	*284·0*	38	+ 5
1423	Punta Dungeness	52 24	68 26	5	998·4	999·0	−1·1	287·9	294·8	27th	283·3	280·9	19th	285·6	+1·3	*286·0*	14	− 5
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424a	Año Nuevo	54 39	64 9	50	989·0	995·0	..	284·1	286·8	6th	279·3	276·1	4th	281·7	..	281·6	71	..
1425	Cape Pembroke	51 41	57 42	21	997·6	999·3	−1·0	286·6	293·0	5th	279·4	276·9	4, 14, 23	283·0	+0·9	283·2	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	41	− 22
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	994·5	−1·8	283·3	291·5	16th	275·2	271·2	27th	279·3	0·0	*278·7*	64	− 54
1467	Macquarie Island	54 30 S.	158 57 W.	9·1	..	1001·7	0·0	281·3	..	..	278·2	..	..	279·7	..	..	..	..

FEBRUARY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	6·7	988·7	989·6	−1·1	276·0	280·8	12th	270·6	267·9	24th	273·3	+0·1	273·6	52	+ 6
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	150	160	135	150	6·2	E 3	E 2	Calm 0	SW 4	E	NW 3	E 1	Calm 0	Calm 0
2	135	150	150	170	5·4	NE 3	NE 4	SW 2	SW 4	NE	NW 3	E 2	Calm 0	N 2
3	170	170	170	170	3·4	E 4	NE 3	NE 2	W 4	NE	Calm 0	N 1	Calm 0	N 1
4	170	160	150	160	5·3	E 4	E 4	Calm 0	SW 2	NE	Calm 0	S 2	Calm 0	NE 2
5	160	160	150	170	7·5	E 4	E 4	Calm 0	SW 4	NE	NW 4	WNW 1	W 1	NE 2
6	160	150	150	150	8·0	E 5	E 5	SW 2	SW 4	NE	NW 2	WSW 4	W 7	Calm 0
7	150	160	150	160	6·5	NE 5	NE 5	SW 2	SW 4	NE	W 2	S 5	W 3	NW 2
8	160	150	150	150	5·3	NE 5	NE 4	N 4	S 4	NE	NE 2	W 2	W 2	Calm 0
9	170	170	150	..	(4·7)	NE 5	NE 4	E 2	W 4	E	Calm 0	NW 1	Calm 0	NE 2
10	..	160	150	150	(5·1)	ENE 5	ENE 3	Calm 0	SW 4	E	NW 1	W 4	W 3	NE 3
11	150	150	160	160	4·3	NE 4	NE 4	N 4	SW 4	E	Calm 0	WNW 3	W 2	Calm 0
12	170	170	160	160	4·1	NE 5	E 4	NE 4	SW 4	SE	Calm 0	W 5	NW 3	NE 3
13	160	150	135	150	6·4	E 3	NE 3	NE 4	SW 4	E	NW 2	N 2	Calm 0	NE 2
14	150	120	150	150	7·5	NE 5	E 3	NE 4	SW 4	NE	W 2	Calm 0	Calm 0	NE 1
15	150	120	120	135	6·3	SE 2	NE 3	NE 4	SW 4	NE	WNW 6	E 2	W 2	NE 3
16	150	135	120	160	5·5	E 3	E 3	Calm 0	SW 4	NE	NW 6	W 4	W 3	NE 4
17	150	150	150	150	4·8	ESE 4	NE 2	Calm 0	SW 2	NE	NW 5	NW 3	NW 3	N 5
18	120	150	135	135	5·7	NE 3	NE 4	Calm 0	SW 4	E	NW 4	NE 2	E 1	N 1
19	150	135	150	160	7·7	NE 5	NE 3	NE 2	Calm 0	Variable	NW 4	N 1	Calm 0	Calm 0
20	150	150	135	160	7·7	NE 4	NE 4	SW 4	W 2	Variable	NW 4	SE 2	Calm 0	Calm 0
21	160	135	150	160	7·8	NE 4	NE 4	NE 2	SW 4	NE	NW 4	SSE 2	WSW 2	NE 1
22	170	160	135	160	6·7	E 3	E 4	Calm 0	SW 4	NE	Calm 0	SSW 4	SW 3	SW 1
23	150	120	135	150	6·5	E 5	NE 4	Calm 0	SW 4	NE	NW 2	WSW 2	S 3	Calm 0
24	135	150	135	150	7·0	E 6	E 4	Calm 0	SW 2	N	NW 1	WSW 3	Calm 0	E 4
25	135	135	135	150	6·2	NE 4	NE 4	Calm 0	SW 4	N	SW 2	NNW 2	N 2	E 3
26	160	135	135	160	6·8	NE 5	NE 4	NE 4	W 4	N	Calm 0	NW 3	N 1	E 3
27	150	150	150	160	6·6	NE 4	NE 4	Calm 0	SW 4	NW	NW 2	N 2	Calm 0	Calm 0
28	150	160	150	150	8·5	NE 4	NE 5	SW 4	SW 4	NW	Calm 0	ENE 2	N 2	SE 2
Mean	153	149	144	155	6·2	4·1	3·7	1·8	3·6	..	2·2	2·4	1·5	1·7
Resultant†	150°			..	65° (90)		235° (36)		45° (73)	310° (61)	285° (30)		40° (48)	
Normal†	141°			6·7	93° (77)		288° (21)		73° (82)	235° (19)	85° (35)		81° (51)	

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1914.

**Spitsbergen.*—"The Icefiord froze up."

**Greenland Sea, Iceland, and Denmark Strait.*—"The coasts of Iceland and Grimsey were free of ice, but some ice was observed in the offing from Cape North on the 25th."

North Atlantic and Labrador.—"On the Newfoundland Banks the icebergs drifted comparatively far eastward and were rather numerous for the season; the eastern limits for icebergs and field-ice were 41° W. and 46° W. respectively, the southern limit of both being 42° N. Belle Isle Strait was full of ice."

**Davis Strait.*—"Masses of 'Storis' blocked the Greenland Coast of Davis Strait."

** "Melville Bay and Smith Sound"* were covered with firm ice."

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

MARCH—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1016·8	1019·4	+ 6·6	..	..	..	248·2	241·7	10th, 12th	..	+0·7	*252·3*	0	−19
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1010·1	1011·7	− 1·1	..	273·3	1st	247·9	234·7	28th	..	..	253·2	13	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1004·4	1005·2	+ 0·4	..	277·0	2nd	267·9	260·5	19th	..	+0·3	*269·9*	46	− 1
142	Mehavn	71 1	27 47	6·4	1005·0	1005·8	− 1·2	..	276·3	2nd	266·6	257·4	19th	..	+0·2	*268·9*	51	− 3
143	Vardö	70 22	31 8	10·0	1005·8	1007·1	+ 1·3	..	274·4	25th	266·4	261·0	20th	..	+0·5	*268·7*	63	+14
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

MARCH—ZONE 2.

Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1018·1	1018·9	+ 6·8	264·4	274·1	..	255·4	239·1	..	259·9	+0·3	..	37	+13
204	Candle	65 55	161 57	? 2·4	..	..	..	257·5	276·3	22nd	248·1	228·6	11th	252·8	..	..	..	..
205	Tanana	65 12	152 0	? 74	1010·2	?1020·2	..	262·8	276·3	..	251·3	229·7	..	257·1	+0·8	..	15	+ 4
206	Rampart	65 30	150 15	? 122	..	..	..	265·1	282·4	22nd	251·3	236·3	10th	258·2	..	..	5	− 4
207	Valdez	61 6	146 13	3·1	1011·6	1012·0	+ 2·0	273·3	280·2	..	264·6	253·6	..	268·9	−0·4	..	72	−24
208	Eagle	64 46	141 12	250	985·4	1018·0	+ 3·5	266·6	280·8	..	253·4	233·0	..	260·0	+2·3	..	14	+ 3
209	Dawson	64 4	139 20	328	978·0	1020·7	+ 3·1	265·4	277·4	21st, 22nd	254·4	238·6	11th	259·9	+2·9	..	5	− 9
210	Carcross	60 11	134 34	662	..	..	..	272·3	279·1	22nd	259·4	251·3	17th, 30th	265·9	+2·1	..	14	− 1
211																		
212	Fort Simpson	61 52	121 35	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 20	161	1003·1	1025·1	..	260·4	273·0	9th, 10th	247·4	234·1	25th	253·9	−2·2	..	1	..
214	Fort Resolution	61 10	113 50	240	..	..	..	258·9	275·2	..	247·5	235·8	..	253·2	..	..	9	..
222	Jacobshavn	69 13	51 2	12·6	1014·7	1016·4	+ 4·6	259·2	267·9	29th	247·4	238·4	11th	253·3	−3·7	*252·8*	4	− 8
226	Godthaab	64 11	51 44	9·0	1008·3	1009·5	+ 3·7	269·6	277·7	24th	262·5	254·2	4th	266·1	0·0	*265·1*	2	−41
229	Angmagsalik	65 37	37 34	31·7	1007·5	1011·6	+ 4·0	269·7	276·6	12th	257·1	248·3	27th	263·4	−1·8	*262·4*	18	−34
230																		
231	Stykkisholm	65 5	22 46	11·3	1004·2	1005·7	− 1·4	271·5	276·9	11th	266·4	261·5	9th	268·9	−1·5	*269·2*	13	−34
232	Vestmanno	63 26	20 15	7·7	999·1	1000·1	− 5·5	276·6	280·3	24th	270·6	265·1	9th	273·6	−0·5	*274·0*	111	+ 2
233	Grimsey	66 33	17 58	22·0	1005·6	1006·5	− 2·5	270·1	275·2	13th	266·5	262·0	26th	268·3	−1·3	*268·4*	2	−16
234	Berufjord	64 40	14 19	18·0	999·9	1002·2	− 5·0	273·7	279·4	1st	269·2	264·9	17, 27, 28	271·5	+0·1	*271·8*	21	−57
235	Thorshavn	62 25	6 45	25·7	994·3	997·4	− 8·9	278·1	281·8	31st	273·4	269·2	11th	275·7	−0·2	..	81	−47
236	Lerwick	60 9	W 1 8	9·4	994·0	996·5	−10·5	279·2	281·9	31st	274·8	271·9	4th, 11th	277·0	+0·3	..	153	+73
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	993·2	998·7	−12·0	..	283·0	25th	273·5	268·9	13th	..	+0·9	*276·0*	144	− 7
238	Christiansund	63 7	7 45	17·8	996·7	998·8	− 9·8	..	282·2	22nd	273·5	268·8	12th	..	+1·0	*275·9*	55	−25
239	Trondhjem	63 26	10 25	39·5	996·0	1000·9	− 8·3	..	282·7	24th	269·4	259·8	12th	..	+0·9	*273·0*	23	−53
240	Bodö	67 17	14 24	20·5	1000·2	1002·8	− 4·2	..	278·6	1st	269·6	262·0	11th	..	+0·6	*272·0*	23	−37
241	Haparanda	65 50	24 9	9·2	1005·6	1006·8	− 2·6	270·2	274·0	2, 4, 5	262·2	253·5	31st	266·2	+1·6	*266·1*	9	−17
242	Helsingfors	60 10	24 57	11·7	1004·2	1005·6	− 7·0	272·8	277·0	31st	268·9	260·8	12th	270·8	+2·0	271·1	62	+27
242a	Kuopio	62 54	27 40	99·7	995·2	1006·7	− 5·3	271·3	276·6	2nd	262·2	251·4	21st	266·8	+0·1	*267·4*	18	−16
243	Kola	68 53	33 1	6·7	..	1009·0	− 0·2	..	276·0	25th	..	243·0	19th	..	−1·7	*265·5*	22	+11
244	Petrozavodsk	61 47	34 23	38·9	..	1008·7	− 5·8	..	279	..	..	253	..	..	+0·8	*268·2*	42	+10
245	Arkhangelsk	64 33	40 32	6·7	..	1009·6	− 2·4	..	275	..	..	247	..	..	0·0	*265·2*	15	− 5
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1012·7	− 2·8	..	275	..	..	235	..	..	−1·6	*260·6*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1020·1	+ 4·7	..	272·8	30th	..	235·1	1st	..	−4·8	*255·8*	10	− 4
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1021·2	− 4·9	..	266·3	19th	..	234·8	6th	..	−5·3	*250·0*	18	+13
262	Iakoutsk	62 1	129 43	? 108	..	1018·3	− 3·3	..	258·2	20th	..	235·2	1st	..	−3·5	*246·3*	1	− 4
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1015·9	1019·5	+ 1·4	..	274·8	21st	238·4	224·3	9th	245·4	−4·3	..	12	+ 5
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.		mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302																		
303	Dutch Harbour	53 55	166 30	4·0	1018·8	1019·3	+13·8	276·8	284·1	31st	271·8	264·1	9th	274·3	+1·0	..	48	— 89
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	..	..	..	270·7	264·1	9th	275·2	..	..	99	+ 7
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1010·0	1013·4	+ 2·7	280·6	286·3	..	273·8	267·4	..	277·1	+1·2	..	213	+ 81
310	Prince Rupert	54 18	130 18	52	1005·7	1013·2	+ 1·4	281·7	288·6	19th, 20th	276·4	267·4	26th	279·1	+2·8	..	232	— 53
311	Barkerville	53 2	121 35	1274	867·3	1015·6	+ 2·8	274·1	280·8	21st	265·3	247·4	26th	269·7	+0·1	*269·8*	65	— 1
312	Kamloops	50 41	120 29	380	975·6	1017·3	+ 3·9	283·1	289·1	23rd	271·7	260·8	26th	277·4	+1·3	*277·3*	7	
313	Calgary	51 2	114 2	1033	894·6	1017·3	+ 2·4	279·2	292·4	12th	265·7	245·2	26th	272·4	+3·2	*272·5*	19	0
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	964·4	1019·3	+ 3·3	274·1	284·4	17th	261·1	243·0	26th	267·6	+5·7	*268·2*	15	— 7
316	Qu'Appelle	50 30	103 47	645	940·0	1018·9	+ 2·0	272·8	283·6	31st	262·2	246·3	26th	267·5	+3·4	*268·0*	27	— 8
317	Minnedosa	50 15	99 50	515	957·0	1021·3	+ 2·6	271·8	279·7	14th	260·9	244·3	1st	266·4	+2·8	*266·4*	10	— 11
318	Berens River	52 18	97 23	216	..	..	..	268·2	275·2	5th	255·6	246·9	20th	261·9	−0·3	*261·9*	11	+122
318*a*	York Factory	57 0	92 28	16·8	1022·4	1024·7	+ 7·8	..	..	..	245·4	233·6	25th	252·3	..	..	151	
319	Fort Hope	51 33	87 49	335	..	..	..	268·7	281·9	31st	252·9	240·2	1st	260·8	+1·3	..	32	+ 12
320	Moose Factory	51 14	80 30	9·1	1019·2	1020·4	+ 2·1	267·0	276·9	31st	252·9	240·8	3rd	259·9	−1·4	..	29	— 7
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1017·6	1020·9	..	262·9	270·2	28th	249·6	238·4	14th	256·3	..	..	51	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	275·2	1st	..	257·4	16th	269·1	+2·0	..	1	— 65
327	Belle Isle	51 23	55 23	132·8	993·8	1011·1	+ 1·0	268·8	273·0	8, 9, 18	263·6	255·2	16th	266·2	+0·8	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1001·1	1002·8	−10·0	282·8	286·3	31st	278·6	274·7	22nd	280·7	+0·5	280·8	205	+ 94
335	Aberdeen	57 10	2 6	26·8	994·5	997·8	−11·7	279·9	286·3	31st	274·9	271·3	10th	277·4	−0·1	277·6	78	+ 19
336	Greenwich	51 28	W 0 0	48·5	997·6	1003·5	−10·5	283·6	291·3	31st	276·0	270·8	28th	279·8	+1·0	279·6	99	+ 59
337	Uccle	50 48	E 4 22	100	993·7	1005·9	− 8·7	283·4	292·0	31st	276·1	272·3	11th, 12th	279·7	+1·4	279·4	128	+ 70
338	De Bilt	52 6	5 11	3·0	1003·8	1004·2	− 9·3	282·5	287·7	31st	275·5	271·7	1st	279·0	+2·0	279·0	139	+ 82
338*a*	Hamburg	53 33	9 59	40	998·4	1003·3	− 9·2	281·1	288·4	31st	275·7	270·5	1st	278·4	+2·0	*278·2*	133	+ 85
339	Copenhagen	55 41	12 36	5·0	1002·0	1002·6	− 9·7	277·9	283·8	31st	274·0	270·2	11th	275·9	+1·5	*276·2*	72	+ 35
340	Potsdam	53 23	13 14	84·9	999·9	1005·4	− 7·9	282·4	290·3	31st	274·3	269·6	1st	278·3	+1·1	277·8	73	+ 17
340*a*	Upsala	59 51	17 38	24·0	1001·2	1005·2	− 7·3	274·8	280·3	31st	268·6	254·0	13th	271·7	+1·2	271·8	48	+ 19
341	Warsaw	52 13	21 2	120	..	1006·8	− 7·1	..	287	..	..	268	..	..	+2·8	*276·9*	53	+ 5
342	Jurjev	58 23	26 43	74·5	996·9	1006·3	− 6·8	274·2	278·2	24th	268·7	263·0	13th	271·5	+1·9	271·7	29	
343	Petrograd	59 56	30 16	4·8	..	1007·2	− 5·4	..	276	..	..	259	..	..	+2·1	*270·4*	46	+ 25
344	Kiev	50 27	30 30	182·9	..	1009·0	− 7·1	..	289	..	..	267	..	..	+4·8	*276·8*	34	— 18
344*a*	Moscow	55 46	37 40	156	..	1010·4	− 8·6	..	278	..	..	263	..	..	+3·2	*271·3*	49	+ 27
345	Saratov	51 32	46 3	59·9	..	1012·7	− 6·8	..	283	..	..	261	..	..	+5·1	*273·4*	47	+ 26
346	Kazan	55 47	49 8	79·8	1002·7	1012·9	− 5·5	..	278	..	..	240	..	..	+3·5	269·6	44	+ 7
347	Orenburg	51 45	55 6	114·1	..	1017·5	− 3·9	..	278	..	..	255	..	..	+5·1	*269·7*	31	+ 29
348	Perm	58 1	56 16	163·0	..	1013·5	− 4·9	..	278	..	..	248	..	..	+1·7	*267·6*	58	
349	Ekaterinburg	56 50	60 38	288·9	..	1017·8	− 3·2	..	278	..	..	245	..	..	+0·4	*265·8*	24	+ 14
350	Tobolsk	58 12	68 14	108	..	1021·6	+ 0·8	..	277·1	14th, 30th	..	244·5	5th	..	−1·5	*262·4*	65	+ 49
351	Akmolinsk	51 12	71 23	? 347	..	1024·3	− 1·5	..	279·4	28th	..	249·2	9th	..	+4·0	*266·4*	10	— 3
352	Omsk	54 58	73 23	90	..	1024·0	− 0·7	..	272·0	14th	..	241·6	3rd	..	−1·8	*259·9*	15	+ 6
353	Barnaoul	53 20	83 47	162·2	..	1026·6	− 1·7	..	276·2	28th	..	238·2	7th	..	+0·4	*263·0*	55	+ 41
354	Tomsk	56 30	84 58	121·6	..	1025·4	+ 0·6	..	276·2	31st	..	235·0	8th	..	−2·5	*260·2*	36	+ 13
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1025·8	+ 1·8	..	?279·0	15th	..	232·5	9th	..	−5·7	*257·3*	..	..
357	Irkutsk	52 16	104 19	467	..	1030·1	+ 2·7	..	277·8	17th	..	239·7	11th	..	−3·5	*260·3*	9	+ 1
358	Kirensk	57 47	108 7	? 263	..	1026·8	+ 2·3	..	274·4	18th	..	235·5	5th	..	−3·9	*256·3*	16	+ 4
359	Tchita	52 2	113 30	664	..	1027·8	+ 2·9	..	277·4	16th	..	242·4	5th	..	−0·4	*260·4*	5	+ 2
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360*a*	Nertchinsk	51 59	116 35	484	..	1021·3	− 2·3	..	275·4	16th	..	245·5	5th	..	−0·4	*259·4*	10	+ 5
361	Tygan Ourkan	54 5	124 46	? 359	968·6	1015·6	..	..	269·6	20th	247·3	234·3	6th	..	..	*256·4*	5	— 5
362	Blagoveshchensk	50 15	127 31	133·6	997·0	1014·3	− 3·6	..	283·5	19th	257·9	250·6	6th	..	+0·8	*264·3*	5	..
363	Paikanskii Sklad	50 11	130 7	? 145	995·0	1014·1	..	..	277·0	22nd	250·4	240·6	6th	..	..	*260·4*	26	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·2	1012·0	− 1·9	..	273·1	13th	251·6	241·6	27th	..	−1·3	*258·7*	21	+ 3
366	Okhotsk	59 21	143 17	6·0	1013·0	1013·8	− 2·1	..	267·1	7th	249·2	240·7	26th	..	−2·8	*255·6*	7	+ 2
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	997·2	1008·5	+ 4·1	..	274·2	24th	261·8	248·9	21st	265·4	−0·4	..	55	— 42
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	1015·3	1018·5	+2·7	284·8	293·1	20th	277·7	271·6	26th	281·3	+2·1	280·7	52	— 13
412	Portland, Oregon	45 32	122 41	46·6	1014·2	1019·6	+2·7	287·4	294·7	18th	279·8	276·3	3rd	283·6	+2·3	*283·2*	58	— 65
413	Macleod	49 44	113 24	954	..	..	..	278·6	290·2	13th	265·3	245·8	27th	271·9	+2·3	*271·9*	10	— 8
414	Helena	46 34	112 4	1253	875·4	1020·6	+3·7	280·8	290·2	12th	268·7	255·2	26th	274·7	+1·8	*274·4*	17	— 2
414*a*	Salt Lake City	40 46	111 54	1329	869·6	1018·9	+3·8	285·3	290·2	14th	275·2	271·3	3rd	280·3	+2·2	*280·4*	31	— 22
415	Cheyenne	41 8	104 48	1856	812·7	1019·3	+4·3	280·3	288·6	13th	267·8	255·8	21st	274·1	+0·7	*274·3*	18	— 6
416	North Platte	41 8	100 45	859	919·4	1021·0	+4·4	283·6	295·2	13th	269·4	261·9	19th	276·5	+1·5	*276·3*	10	— 12
416*a*	Bismarck	46 47	100 38	510·6	959·4	1022·3	+3·6	276·1	294·7	13th	265·1	249·7	27th	270·6	+3·0	*270·6*	31	+ 5
417	Winnipeg	49 53	97 7	231·6	992·2	1021·7	+3·0	271·6	280·9	15th	261·9	246·1	1st	266·7	+3·5	*266·4*	15	— 12
418	Duluth	46 47	92 6	345·1	977·2	1020·3	+2·6	272·2	284·7	14th	264·1	248·6	1st	268·1	−0·2	*268·1*	40	— 1
419	Port Arthur	48 27	89 12	196·3	995·6	1020·6	+3·3	273·0	281·9	14th	260·8	247·4	1st	266·9	+1·3	*266·9*	24	+ 1
420	Chicago	41 53	87 37	250·9	988·3	1019·3	+2·1	278·6	291·3	15th	271·5	260·8	2nd	275·1	+0·3	*275·0*	47	— 15
421	Toronto	43 40	79 24	115·5	1002·7	1017·4	+0·4	276·1	285·9	26th	268·4	257·7	2nd	272·3	+1·0	271·9	61	— 6
422	New York (Central Park)	40 46	73 58	29·6	1011·9	1015·5	−0·9	279·3	295·8	27th	271·7	263·6	20th, 21st	275·5	−0·7	275·4	120	+ 24
423	St. John, N.B.	45 17	66 4	? 22	1011·2	1014·5	+0·5	275·6	282·5	27th	269·4	259·9	21st	272·5	+1·5	*272·5*	59	— 56
424	S. W. Point, Anticosti	49 24	63 35	9·1	1011·8	1013·0	+1·6	271·5	275·8	2nd	264·5	255·2	16th, 22nd	268·0	+0·4	..	53	+ 6
425	Sable Island (Main Station)	43 57	60 6	7·6	1014·9	1015·6	+1·4	274·9	279·1	3, 8, 9	270·8	264·7	21st	272·9	−0·3	..	97	— 24
426	St. Johns, Newfoundland	47 34	52 42	38·1	1005·4	1009·8	−0·2	275·1	280·2	8th, 9th	269·1	261·9	1st	272·1	+1·1	..	157	+ 33
435	Madrid	40 24	3 41	655·4	943·1	1020·2	+3·8	289·6	295·2	28th	275·9	270·6	12th	282·7	+0·6	*282·6*	8	— 32
436	Nantes	47 15	W 1 34	41·4	1006·9	1011·9	−4·1	285·0	294·1	31st	278·7	274·6	11th	281·9	+1·4	281·7	124	+ 66
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1003·0	1009·2	−5·9	284·9	293·8	31st	277·2	271·1	1st	281·1	+1·9	280·8	60	+ 22
438	Marseilles	43 18	5 23	75	1004·0	1013·2	+0·4	287·6	291·8	31st	278·4	274·4	1st, 18th	283·0	−0·1	282·1	28	— 9
438*a*	Zurich	47 23	8 33	493·2	953·7	1012·1	−3·4	283·3	292·3	31st	275·1	270·7	29th	279·2	+1·7	278·6	163	+ 90
439	Rome	41 54	12 28	50·6	1006·0	1011·9	−1·2	288·9	291·6	31st	280·8	276·7	5th	284·9	+1·4	*284·6*	79	+ 10
440	Vienna	48 15	16 22	202·5	984·5	1009·6	−5·0	282·5	289·0	31st	275·7	271·8	1st, 31st	279·1	+2·2	278·9	46	0
440*a*	Buda-Pesth	47 30	19 2	129	994·2	1010·0	−4·6	284·4	292·5	10th	275·9	270·6	19th	280·1	+2·2	279·6	110	+ 65
441	Bucharest	44 25	26 6	82	1000·6	1010·6	−4·6	285·9	294·3	11th	275·8	270·3	4th	280·9	+2·4	280·3	48	+ 7
442																		
443	Odessa (University)	46 29	30 44	65	..	1010·8	−5·0	..	292	..	..	269	..	..	+3·7	*278·7*	32	+ 5
444	Kharkov (University)	50 0	36 14	140	..	1010·4	−7·2	..	291	..	..	263	..	..	+4·9	*276·5*	100	+ 65
444*a*	Novorossiisk	44 44	37 49	37	..	1013·1	−3·4	..	293	..	..	273	..	..	+2·5	*281·5*	..	..
445	Tiflis	41 43	44 48	409	..	1016·4	−2·6	..	299	..	..	271	..	..	+3·1	*282·8*	28	— 1
446	Astrakhan	46 21	48 2	−14	..	1015·1	−4·4	..	297	..	..	267	..	..	+6·4	*279·4*	7	— 4
447	Fort Alexandrovsk	44 31	50 16	24	..	1014·4	−4·8	..	293·4	30th	..	269·8	17th	..	+4·2	*279·2*	3	— 7
448	Krasnovodsk	40 0	52 59	−15	..	1015·9	−2·8	..	298	..	..	275	..	..	+2·6	*284·4*	..	..
449	Tachkent	41 20	69 18	478·3	..	1021·0	+1·4	..	298·2	31st	..	269·3	18th	..	+1·5	*282·2*	79	+ 12
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1013·1	1018·7	−2·3	278·5	287·1	5th	267·9	259·0	13th	273·2	+1·4	272·9	70	+ 51
462	Joshin	40 40	129 11	4·0	1015·6	1016·1	−1·7	278·8	287·8	17th	271·1	264·4	14th	274·9	+1·2	274·8	41	+ 17
463	Vladivostok	43 7	131 55	26·8	1013·4	1016·8	−2·4	..	280·8	29th	267·3	257·0	10th	..	+0·6	*270·9*	55	+ 43
464																		
465	Ochiai	47 20	142 44	6·6	1011·8	1012·7	−0·4	272·1	278·3	23rd	260·7	249·4	11th	266·4	+2·4	267·3	45	+ 8
466	Nemuro	43 20 N.	145 35 E.	26·7	1011·2	1014·6	+1·2	275·7	281·7	18th	269·3	263·8	11th	272·5	+2·1	272·5	140	+ 93

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1012·5	1018·3	+0·8	291·5	303·0	18th	283·8	279·1	29th	287·7	+2·9	*287·4*	28	— 54
512	San Luis Obispo	35 18	120 39	61·3	1010·9	1018·3	+0·3	293·8	306·9	18th	281·9	273·0	30th	287·9	+3·1	*288·0*	31	— 60
513	Modena	37 48	113 54	1670	834·9	1017·3	+3·0	287·1	293·0	15th	269·8	265·2	22nd	278·5	+2·0	*278·7*	4	— 25
514	San Diego	32 43	117 10	26·5	1012·9	1015·9	−0·9	293·7	304·1	7th	285·0	281·9	16th	289·3	+2·4	*288·8*	9	— 30
515	Santa Fé	35 41	105 57	2138	787·1	1016·6	+3·7	283·9	290·2	17th	270·4	263·0	22nd	277·1	0·0	*277·1*	21	+ 2
516	Denver	39 45	105 0	1613	837·8	1018·6	+4·1	284·8	296·3	13th	270·6	256·3	21st	277·7	+1·0	*277·8*	51	+ 26
517	Abilene	32 23	99 40	529·6	957·0	1018·6	+3·3	293·3	301·9	26th	278·5	268·0	20th	285·9	−0·6	*285·1*	17	— 12
518	Saint Louis	38 38	90 12	173·1	998·4	1019·3	+2·0	283·8	299·7	15th	274·9	264·1	1st	279·4	−0·3	*279·1*	32	— 52
519	Mobile	30 41	88 2	17·4	1018·7	1020·6	+2·6	290·3	298·0	30th	281·3	274·1	13th	285·8	−2·5	*285·6*	51	−116
520	Nashville	36 10	86 47	166·4	1000·6	1021·0	+3·0	285·3	298·0	15th	276·2	264·1	2nd	280·7	−2·2	*280·3*	110	— 18
521	Charleston	32 47	79 56	14·6	1017·9	1019·6	+1·3	288·4	297·4	29th	278·9	268·6	2nd	283·7	−3·3	*283·7*	59	— 27
522	Washington	38 54	77 3	34·1	1013·7	1017·9	+0·3	281·8	296·9	27th	272·4	263·6	21st	277·1	−1·6	*277·1*	58	— 40
523																		
524	Bermuda	32 18	64 46	46·0	1012·6	1018·1	+0·9	292·4	294·7	8, 22, 29	286·3	281·6	3rd	289·3	−0·8	..	132	+ 19
531	Horta	38 32	28 38	28	1022·1	1025·0	+5·4	289·5	294·0	21st	285·6	281·8	10th	287·5	−0·3	*287·1*	97	0
532	Ponta Delgada	37 44	25 40	17	1024·7	1025·9	+5·9	289·2	291·9	21st	285·8	280·5	9th	287·5	+0·7	*287·1*	59	— 71
533	Madeira (Funchal)	32 37	16 54	25	1023·2	1026·2	+7·7	291·2	294·8	16th	285·6	283·0	10th	288·4	−0·3	*288·5*	18	— 62
535	Lisbon	38 43	9 9	95	1011·3	1022·9	+6·5	288·8	293·1	30th	283·2	279·6	3rd	286·0	+0·2	*285·7*	28	— 60
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536*a*	Gibraltar	36 6 N.	5 21 W.	16·2	1020·0	1022·0	+6·1	290·7	294·7	16th, 27th	283·7	279·1	4th, 5th	287·2	0·0	*287·0*	49	— 73
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	977·7	1018·5	+2·5	288·5	293·9	8th	282·9	277·6	3rd	285·7	+0·9	285·3	61	— 20
538	Palma	39 34	2 38	23	1014·2	1016·9	+1·7	290·8	298·4	7th	284·8	280·0	2nd	287·8	+1·9	..	25	— 14
538a	Tunis	36 48	10 10	33	..	1015·3	+1·4	292·7	302·9	10th	282·9	277·2	4th	287·8	+1·9	..	25	— 41
539	Malta	35 54	14 31	58·8	..	1016·8	+0·9	289·0	293·0	22nd	284·7	281·1	4th, 5th	286·9	+0·5	..	28	— 7
540	Catania	37 30	15 3	64·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
541	Athens	37 58	23 43	107·1	1000·5	1013·5	−0·4	289·3	292·7	20th	282·2	279·2	6th	285·8	+1·4	285·7	7	— 28
542	Alexandria	31 9	29 54	32·0	1013·2	1017·0	+1·1	294·7	299·7	27th	285·9	283·2	4th	290·3	+0·5	*289·2*	7	— 6
543	Cairo (Helwan)	29 52	31 20	115·6	1002·9	1016·7	+0·1	298·2	304·7	28th	284·9	279·8	7th	291·5	+1·7	*290·5*	0	— 6
544	Nicosia	35 11	33 22	152	..	1015·7	+0·9	294·8	301·3	24th	278·7	276·3	10th	286·7	+1·5	..	25	— 15
544a	Beirut	33 54	35 28	52·4	..	..	..	292·3	296·4	12th, 28th	286·4	281·9	7th	289·3	+0·9	..	124	+ 27
545	Baghdad	33 21	44 28	38·7	1012·6	1017·5	+2·8	296·8	304·4	30th	?284·0	279·0	17th	?290·4	+1·1	..	19	— 9
546	Lenkoran	38 46	48 52	−19	..	1016·0	−3·2	..	300	..	..	274	..	..	+3·8	*284·2*	72	+ 2
547	Busrah	30 31	47 53	7·6	1016·4	1017·4	+0·7	295·3	303·4	30th	286·6	282·3	17th	290·9	−0·4	..	32	— 27
548	Meshed	36 16	59 35	946	906·2	1015·1	..	289·6	301·8	31st	?270·4	257·9	18th	?280·3	−0·5	..	32	
549	Quetta	30 11	67 3	1677	834·0	..	0·0	288·9	295·8	31st	274·7	268·5	18th	281·8	−2·0	..	30	— 19
550																		
551	Lahore	31 34	74 20	214·0	988·4	1011·8	+0·1	300·1	307·7	31st	285·3	281·4	15th	292·7	−1·0	*292·5*	10	— 9
551a	Simla	31 7	77 8	2205	780·8	..	−0·1	285·2	290·9	30th	278·3	271·9	4th	281·7	−1·1	..	66	+ 4
552	Leh	34 10	77 42	3503	665·4	..	0·0	279·3	284·5	30th	266·4	260·9	14th	272·8	−0·5	..	4	+ 4
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	67	+ 42
559	Hang Kow	30 35	114 17	37·0	1013·9	1018·4	−3·2	289·4	299·1	5th	281·6	274·2	14th	285·5	+1·8	*285·1*	54	— 25
560	Tiensin	39 10	117 10	5·0	1018·6	1019·2	−2·7	284·3	292·8	20th, 29th	273·8	266·7	13th	279·1	+1·0	*278·7*	18	+ 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·6	−2·7	287·9	298·3	21st	278·7	271·8	15th	283·3	+2·1	282·9	85	— 3
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1019·1	−1·4	282·2	290·5	23rd	274·2	269·2	26th	278·2	+1·0	277·7	173	+150
562a	Nagasaki	32 44	129 52	133·0	1001·3	1017·5	−0·4	287·9	293·8	6th	280·7	275·3	27th	284·3	+1·9	284·0	219	+ 85
563	Kioto	35 1	135 44	42·9	1012·8	1018·0	+0·3	287·6	294·0	22nd	276·4	270·2	20th	282·0	+2·8	281·9	169	+ 56
564	Tokio	35 41	139 45	21·3	1014·6	1017·2	+1·8	286·9	296·3	7th	277·5	272·1	20th	282·2	+2·1	281·8	197	+ 84
565	Miyako	39 38	141 59	30·4	1012·6	1016·3	+0·5	285·5	293·4	21st	273·0	266·2	15th	279·3	+3·1	278·5	39	— 49
566		N.	E.															

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·6	1016·0	−1·1	297·4	299·7	..	291·6	286·9	..	294·5	−0·3	..	127	+ 25
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1018·6	1020·6	+3·7	289·7	295·2	31st	284·3	277·4	20th	287·0	−3·2	*286·6*	118	+ 48
618	New Orleans	29 58	90 4	15·5	1018·6	1020·6	+3·2	291·7	301·9	30th	282·7	276·9	13th	287·2	−2·6	*287·1*	106	+ 21
619	Havana	23 8	82 22	24·3	..	1019·2	+2·1	298·1	303·0	21st	290·9	284·5	4th	294·5	−1·6	*294·3*	12	— 36
620	Key West	24 33	81 48	6·7	1018·4	1018·9	+1·2	296·2	299·7	31st	290·7	285·8	4th	293·5	−2·6	*293·0*	13	— 22
621	Nassau, Bahamas	25 5	77 21	3·7	..	?1019·7	+1·3	296·6	299·4	12th, 23rd	290·9	286·1	4th	293·8	−2·0	..	17	— 23
622																		
633	La Laguna	28 28	16 20	547	958·6	1022·6	+3·9	290·4	296·3	7th	282·8	278·9	16th	286·6	+0·1	..	41	— 43
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	287·4	293·0	27th	271·9	264·0	20th	279·7	+1·1	..	32	— 27
637	Insalah	27 8	E 2 27	280	..	..	..	303·2	311·1	29th	283·1	277·0	1st	293·1	+0·2	*292·5*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	1003·5	1018·7	−0·1	303·5	310·4	28th	284·2	278·8	5th	293·9	+2·5	*293·8*	..	..
643	Tor	28 13	33 37	1·9	1013·4	1013·6	−0·5	298·3	306·1	25th	287·0	281·0	8th	292·6	+1·5	*292·2*	..	..
644	Aswan	24 2	32 53	99·6	1003·2	1014·8	−0·7	304·5	311·4	1st	288·4	283·1	7th, 8th	296·5	+1·5	*295·2*	..	..
647	Bushire	28 59	50 53	4·3	1016·4	1016·9	+2·4	295·5	305·5	30th	288·0	284·8	6th	291·7	0·0	..	16	— 7
648	Jask	25 44	57 47	4·0	1014·5	1014·9	+2·5	300·4	305·0	31st	292·6	288·6	18th	296·5	+0·8	..	0	— 20
649	Kurrachee	24 53	66 57	4·0	1014·1	1014·4	+0·7	300·6	307·4	27th	292·1	287·3	19th	296·3	−1·2	..	2	— 4
650	Hyderabad, Sind	25 24	68 18	29·3	1010·1	1013·5	+0·9	304·8	312·0	30th	289·2	282·2	13th	297·0	−1·7	..	8	— 5
651	Jaipur	26 56	75 52	436·5	963·7	1010·2	+0·2	304·4	310·9	31st	287·8	281·3	14th	296·1	−0·8	*295·9*	0	— 15
652	Nagpur	21 8	79 5	310·2	978·1	1013·2	+0·6	308·2	312·2	30th	292·4	288·2	5th	300·3	−0·9	..	28	+ 15
653	Allahabad	25 25	81 51	94·1	1001·8	1010·8	+0·8	305·3	312·3	31st	289·4	284·4	6th	297·3	−0·8	*297·2*	12	+ 23
654	Calcutta	22 36	88 23	6·4	..	1010·8	+0·9	305·8	310·8	31st	294·1	289·9	6th	300·0	+0·3	*299·6*	9	— 5
655	Gauhati	26 8	91 41	59·7	1006·5	1013·4	+0·6	302·7	307·4	30th	288·4	285·3	16th, 25th	295·6	+0·3	..	11	— 53
655a	Cherrapunji	25 15	91 42	1314	869·6	..	0·0	292·7	297·3	29th	282·1	281·4	6th	288·9	+0·1	..	161	— 59
656	Shillong	25 33	91 48	1500	850·7	..	+0·8	294·2	299·1	29th	283·7	278·4	16th	288·9	+0·2	..	16	— 57
656a	Akyab	20 11	92 56	6·1	1012·5	1013·2	+0·8	304·9	308·8	26th	293·3	290·5	17th	299·1	+0·2	..	0	— 57
657	Phu Lien	20 48	106 37	115·6	999·2	1012·7	−1·1	297·7	307·4	6th	291·5	282·6	16th	294·6	+1·9	293·8	15	— 0
658	Moncay	21 31	107 51	9	1012·3	1013·4	−0·9	297·1	303·5	6th	289·7	281·0	17th	293·4	+1·4	*292·7*	70	
659																		
660	Hong Kong	22 18	114 10	33·2	1011·0	1014·9	−0·9	295·1	300·9	9th	290·5	282·7	17th	292·8	+2·5	292·6	30	— 46
661	Taihoku, Formosa	25 2	121 31	9·3	1015·4	1016·5	−1·1	295·7	303·0	7th	287·9	283·6	15th	291·8	+1·3	291·1	137	— 41
662	Naha	26 13	127 41	10·5	1015·1	1016·4	+0·4	296·3	300·1	24th	289·3	282·6	4th	292·8	+1·7	292·6	229	+ 70
		N.	E.															
		°	° ′	metres.	mb.	mb	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	809·4	..	..	297·6	303·7	28th	281·4	276·8	5th	289·5	..	*289·7*	34	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·0	..	+0·5	295·6	300·3	30th	281·8	278·3	5th	288·7	−0·2	288·7	13	+ 1
718a	Oaxaca	17 4	96 44	1563	847·1	..	..	302·6	306·8	6th	283·9	279·8	1st	293·3	..	*293·0*	9	..
719	Belize	19 29	88 12	1·9	..	..	..	..	300·8	..	..	..	..	..	..	..	23	— 20
720	San Salvador	13 44	89 9	657	939·4	1015·2	+0·6	301·4	302·9	12th	293·9	290·5	18th	297·7	+0·1	*297·3*	119	+ 60
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·4	+1·0	304·4	308·6	23rd	294·4	291·3	1st	299·4	+0·3	298·5	131	+ 36
722	Port au Prince	18 34	72 22	37·4	..	1015·7	+1·0	304·4	308·6	5th, 17th	295·9	293·8	1st	298·8	+0·6	..	24	— 9
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·9	1014·6	−0·4	301·7	303·0	4th	295·8	294·1	10th	298·8	+0·4	*298·3*	66	— 4
724	Grenada (Richmond Hill)	13 3	61 15	155·1	995·6	1013·5	+0·5	301·7	304·7	4th	295·8	294·1	10th	298·8	+0·4	*298·3*	66	— 4
725	Barbados	13 8	59 36	55·2	..	1015·2	+0·3	301·8	303·2	12, 24, 28	296·5	291·6	4th	299·2	+1·3	*298·9*	22	— 16
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·5	1015·8	+1·3	296·2	299·0	7, 18, 10	290·3	285·0	21st	293·2	−1·3	*293·8*	0	— 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·6	1015·6	+1·3	298·5	302·2	9th	293·2	290·2	26th	295·9	+0·5	*295·8*	0	— 2
733	Bathurst	13 24	16 36	1·5	..	1012·6	+0·2	303·6	311·3	7th	290·5	288·6	3, 13, 24	297·1	0·0	*297·1*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	313·4	317·4	28th	293·6	291·9	1st	303·5	+0·9	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	291·8	..	..	301·0	..	..	0	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	312·6	316·9	27th	293·7	289·1	7, 9, 10	303·2	0·0	..	0	— 3
738	Kaduna Junction	10 50	7 25	640	..	..	..	307·3	310·2	21st	290·2	285·2	10th	298·7	−1·2	..	67	+ 57
739	Maiduguri	11 47	13 11	361	..	..	..	312·1	318·0	27th	292·7	285·8	10th	302·4	−0·4	..	0	0
740	Katagum	12 17	10 22	30·7	..	..	..	312·1	317·4	26th	290·7	285·2	9th	301·4	−0·3	..	0	0
741	El Obeid	13 11	30 14	585	947·4	1012·1	−0·7	309·4	314·2	24th, 25th	290·8	284·4	8th	300·1	+2·1	*299·3*	0	— 2
742	Khartoum	13 11	32 33	390	967·3	1010·8	+0·1	309·8	316·9	2nd	293·0	284·5	8th	301·4	+1·8	*300·8*	0	0
743	Port Sudan	19 37	37 13	5·9	1011·4	1012·0	+0·7	301·8	306·3	27th	294·1	289·3	6th	298·0	+1·3	*297·7*	7	+ 5
744	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	302·6	?304·7	18th	294·5	?293·0	17, 20, 21	298·6	−0·7	*297·9*	0	— 25
745	Aden	12 45	45 3	28·7	1011·6	1014·8	+1·4	?301·6	304·8	9th	297·4	294·9	19th	?299·4	0·0	..	0	— 13
746																		
751	Bombay	18 54	72 49	11·3	..	1011·9	+1·2	302·2	303·7	16th	295·2	292·7	14th	298·7	−0·7	*297·8*	0	— 1
752	Bangalore	12 59	77 38	920	912·6	1007·1	+0·8	306·9	308·7	14th	291·9	288·9	5th	299·4	+0·9	*298·9*	0	— 12
752a	Kodaikanal	10 14	77 28	2343	772·8	..	+0·1	294·3	297·1	2nd, 13th	283·4	281·3	29th	288·8	+0·2	*288·8*	100	+ 43
753	Madras	13 4	80 14	6·7	..	1011·5	+0·7	305·3	308·5	12th	296·3	293·2	4th	300·8	+0·6	*299·9*	0	— 9
754	Waltair	17 45	83 16	68·9	1005·8	1013·5	+1·1	303·7	306·1	28th	296·6	293·8	3rd	300·2	0·0	..	0	— 9
755	Port Blair	11 40	92 40	17·7	1010·7	1012·7	+0·5	304·9	306·1	20th	297·2	294·9	8th	301·1	−0·5	..	0	— 20
756	Rangoon	16 46	95 48	5·5	1012·4	1013·0	+1·0	308·1	309·9	21st	294·4	292·8	9th	301·3	−0·3	..	0	— 9
757	Saigon	10 46	106 42	11·2	1009·8	1011·0	+0·7	307·7	309·4	27th	296·6	293·7	3rd	302·1	+0·2	..	0	— 7
758	Nhatrang	12 16	109 12	3·7	1012·0	1012·5	+0·5	303·6	306·0	24th	293·9	291·7	3rd, 21st	298·7	−0·5	..	2	— 18
759	Bolinao	16 24	119 53	9·7	..	1011·5	−0·2	305·3	307·3	24th	295·5	292·9	5th, 27th	300·4	−0·3	299·9	14	— 1
760	Vigan	17 34	120 23	14·7	..	1011·8	+0·4	304·7	306·3	28th	296·1	293·2	2nd	300·4	0·0	299·8	0	— 6
761	Manila	14 34	120 59	14·2	..	1012·0	+0·4	307·1	308·7	12th	293·6	290·6	26th	300·3	−0·1	299·5	6	— 13
762	Ormoc	11 0	124 36	5·6	..	1011·4	+0·8	304·9	307·9	25th	294·6	292·3	19th	299·7	+0·6	299·3	46	— 46
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	303·3	304·8	13th	297·6	296·4	8th	300·5	+1·1	..	39	— 40
		N.	E.															

MARCH—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·3	308·2	31st	298·2	296·3	13th, 14th	301·3	+0·7	*300·3*	560	+240
819	Culebra	9 10	79 40	123·1	..	1011·8	+0·2	304·7	306·3	3rd	295·2	293·6	4th	299·8	+0·6	..	0	— 15
819a	Colon	9 23	79 23	3·0	..	1012·5	+0·4	302·4	303·6	21st	298·0	295·2	5th	300·2	+0·7	..	23	— 18
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	23	— 65
822	Caracas	10 31	66 56	1025	899·6	..	+0·4	..	..	..	..	..	..	292·0	0·0	..	1	— 16
823	El Peru, Guayanavieja	7 30	62 0	? 300	985·9	..	..	303·6	305·6	30th	294·3	291·7	14th	298·9	..	..	10	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·7	+3·4	302·2	303·1	2nd	296·8	294·4	4th	299·5	+0·1	..	59	— 102
826	Paramaribo	5 49	55 9	4	..	1013·5	+0·6	..	..	..	..	..	..	299·5	+1·5	..	129	— 83
826a	Cayenne	4 56	52 21	6	..	..	..	302·6	304·0	3rd, 5th	296·7	295·2	11, 16, 19	299·7	+0·2	*300·0*	318	— 84
833	Conakry	9 31	13 43	16	1009·8	1011·6	+1·3	305·7	308·4	..	296·4	295·2	..	301·1	−0·3	*301·4*	0	— 2
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·3	1012·3	+1·4	305·9	308·0	30th	294·3	293·0	3, 16, 21	300·1	−1·0	..	0	— 28
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·3	305·8	18th	296·6	294·7	1st	300·4	+0·1	..	14	— 44
836	Accra	5 35	W 0 6	18	..	..	..	304·8	307·4	4th	296·6	294·1	8th	300·7	+0·1	..	13	— 30
837	Lagos	6 27	E 3 24	1·8	..	1010·8	+1·4	304·7	305·8	..	298·1	295·8	..	301·4	+0·1	..	80	— 16
838	Zungeru	9 49	6 10	185·3	..	1012·5	+2·9	310·5	313·6	29th	295·2	291·3	12, 13, 15	302·9	−0·4	..	20	+ 6
838a	Libreville	0 23	9 26	35	..	..	..	304·9	306·4	22nd	296·2	292·0	20th	300·5	+0·5	..	329	— 19
839	Yola	9 12	12 30	259	..	..	..	311·4	313·6	22, 25, 29	297·4	294·1	6th, 10th	304·4	0·0	..	23	+ 14
841	Wau	7 42	28 3	440	961·7	1010·2	+1·0	312·5	315·1	sev. dates	295·2	293·0	27th	303·9	+1·3	*302·7*	49	+ 25
842	Malakal (Kodok)	9 53	32 8	387·5	964·7	1007·1	0·0	311·9	315·9	18th	296·4	290·7	14th	304·2	+0·9	*303·2*	0	— 7
843	Entebbe	0 5	32 29	1171	884·7	..	+1·7	299·2	301·3	2, 17, 22	291·1	289·1	8, 11, 31	295·1	−0·1	*294·4*	168	+ 21
844	Mongalla	5 11	31 47	4390	958·3	1006·3	+0·1	309·2	315·0	1st	296·4	292·1	9th, 10th	302·8	+0·1	*301·2*	105	+ 66
845	Harrar	9 42	42 30	1856	..	..	..	298·7	302·0	5th, 7th	286·1	284·0	sev. dates	292·4	−1·0	..	57	— 19
851	Cochin	10 0	76 21	2·7	1012·3	1012·5	+0·4	306·2	307·7	15th	298·6	296·8	4th	302·4	+0·3	..	10	— 43
852	Colombo Observatory	6 54	79 53	7·3	1010·0	1010·8	+1·0	304·8	306·4	26th, 28th	296·3	294·7	6th	300·6	−0·2	..	97	— 15
852a	Newera Elija	6 59	80 47	1886	..	..	..	296·3	298·7	3rd	280·1	274·8	28th	288·2	+0·1	..	75	— 5
853	Trincomalee	8 34	81 14	30·2	1007·8	1011·2	+1·2	306·6	309·3	24th	298·1	295·8	6th	302·3	+1·3	..	110	+ 71
855	Medan	3 35	98 41	23·5	..	1010·7	0·0	304·4	306·9	4th	294·7	292·3	4th	299·5	..	299·1	95	+ 1
856	Kota Radja	5 32	95 20	7·1	..	1011·4	+0·3	..	..	..	..	..	..	..	..	..	46	— 40
857	Penang	5 34	100 20	6·3	1009·2	1009·9	−0·3	306·6	308·3	7th	296·4	295·2	27th	301·5	+0·3	..	82	— 29
858	Singapore	1 17	103 51	3·0	1010·3	1010·6	+0·8	305·1	306·8	1st	296·1	294·7	24th	300·6	+0·3	..	237	+ 49
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Tagbilaran	9 38	123 51	26·2	..	1010·0	+0·2	302·9	304·8	25th	295·1	293·8	8th	299·0	..	298·8	76	— 209
861a	Menado	1 30	124 50	3·5	..	1011·1	+0·7	302·8	304·2	12th	296·2	295·2	23rd	299·5	+0·2	299·1	241	— 31
862	Surigao	9 48	125 29	6	..	..	..	304·9	306·3	12th, 14th	297·4	296·0	15th	301·1	..	..	94	— 76
863	Yap	9 29	138 8	31·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		°	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·6	1010·6	+0·5	307·8	309·1	sev. dates	..	..	..	..	−1·6	*299·6*	654	+544
906																		
923	Manaos	3 8	59 59	44·9	1003·3	1008·4	+0·3	..	306·2	..	..	295·8	..	300·3	+0·3	..	228	− 20
925	Turyassu	1 25	45 15	15·1	1009·7	1011·4	..	..	305·1	..	..	294·4	..	298·6	..	..	372	..
929	Quixeramobim	5 16	39 15	207·0	989·3	1012·8	+1·6	..	305·6	..	..	294·9	..	299·9	−0·2	*299·8*	107	− 45
930	Fernando Noronha	3 50	W32 20	93·0	1000·4	1011·1	+0·4	..	302·8	2nd	..	294·3	5th	299·1	+0·1	..	204	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	303·5	308·0	14th	289·3	285·2	17th	296·4	+0·1	*293·1*	94	− 64
944	Nairobi	1 18	36 59	1661	..	..	..	298·0	301·1	4th	286·3	283·6	3rd	292·2	+0·3	..	231	+113
944*a*	Zanzibar	6 10	39 11	21·9	1011·3	1013·7	+0·8	303·4	305·2	1st	299·2	295·7	5th	301·3	−0·1	..	217	+ 64
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	305·2	305·8	13th	299·1	297·4	3rd	302·2	..	..	0	− 12
947	Seychelles, Port Office	4 37	55 27	4·6	1011·0	1011·5	+1·1	302·1	303·4	24th	298·7	296·9	8th	300·4	0·0	..	430	+189
957	Padang	0 56	100 22	6·7	..	1011·2	0·0	303·8	305·3	5th	296·3	295·3	12th	300·1	..	299·3	341	+ 50
958	Batavia	6 11	106 50	8	1009·5	1010·4	+0·6	303·2	305·7	7th	296·8	295·8	18th, 20th	300·0	+0·6	299·5	161	− 33
958*a*	Pontianak	0 1	109 20	2·6	..	1011·2	+1·7	304·2	305·9	2nd	296·2	294·8	15th	300·2	..	299·0	252	+ 12
959	Passeroean	7 38	112 55	5·0	..	1009·9	+0·5	304·4	306·9	8th	295·9	294·2	15th	300·1	+0·1	299·5	218	+222
960	Kajoemas	7 56	114 9	950	..	..	..	295·6	298·5	6th	289·9	288·9	26th	292·7	..	292·1	676	− 45
962	Ambon	3 42	128 10	4·2	..	1009·6	+1·1	304·6	306·2	2nd	296·9	295·6	30th	300·7	+1·3	300·3	89	−190
963	Manokwari	1 10	134 20	19·0	..	..	..	302·8	304·1	22nd	296·8	295·7	25th	298·8	+0·3	299·2	133	..
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1009·1	−0·1	303·9	..	..	297·8	..	..	301·2	+0·4	..	81	− 91
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1008·2	+0·6	..	..	..	..	..	..	..	..	..	282	−249
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·3	1007·5	−0·3	305·6	308·0	14th	297·4	296·3	16th	301·5	+0·9	..	191	−225
970	Ocean Island	0 52	169 35	25·6	1004·7	1007·6	−0·5	304·1	305·3	23rd	297·2	295·2	24th	300·7	−0·2	*300·1*	381	+167
		S.	E.															

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1003	Alofi, Niue Island	19 2	169 55	36·6	1009·5	1013·7	+1·7	304·9	307·4	8th	296·5	294·1	2nd	300·7	+0·7	..	219	−109
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	296·9	298·4	2nd	290·6	288·2	11th	293·7	+0·5	*294·7*	0	0
1022	Arequipa	16 22	71 33	2451	761·5	..	+0·4	293·8	295·3	12th	282·7	280·6	4th	288·3	+0·7	*287·6*	0	− 10
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	726·9	..	..	296	..	..	282	..	..	289	+1	..	22	− 73
1026	Cuyaba	15 35	56 0	235	991·7	1018·5	+1·1	..	305·8	..	..	296·2	..	300·3	+0·2	..	291	+ 74
1027	Bello Horizonte	19 55	43 56	857	919·6	1014·5	..	301·9	303·6	6th	291·4	288·8	26th	296·7	..	..	70	− 64
1028	Cætite	14 2	42 37	900	914·1	1013·6	−0·1	..	307·0	..	..	288·3	..	295·8	−0·6	*295·7*	6	..
1029	Ondina	13 12	38 30	46·6	1008·8	1014·2	..	..	304·5	..	..	295·0	..	298·8	..	..	148	+141
1030	Aracaju	10 55	37 4	4·3	1013·0	1013·5	+0·7	..	304·7	..	..	295·5	..	300·0	−0·	..	226	
1035	St. Helena	15 57	W 5 40	632	945·6	1016·6	−0·4	296·2	299·7	22nd	288·6	287·4	18th	292·4	+0·2	*292·1*	154	+ 35
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	858·6	..	+0·7	301·4	305·2	23rd	286·5	281·9	19th	293·9	+1·2	..	4	− 65
1043	Salisbury, Rhodesia	17 48	31 5	1472	857·1	..	+0·5	302·4	306·7	24th	287·0	283·1	11th	294·7	+1·8	..	6	−120
1044	Zomba	15 23	35 18	899	..	1010·8	+1·1	299·8	301·9	30th	288·6	286·9	6th	294·2	−0·5	*293·4*	188	− 22
1045	Tamatave	18 9	49 26	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tananarivo	18 55	47 32	1400	863·7	..	+0·8	298·6	301·9	7th	289·1	285·0	31st	293·8	+0·4	*292·9*	74	−118
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1011·6	+0·9	302·7	304·7	4th	298·2	294·7	23rd	300·4	−0·2	..	293	+ 51
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·4	1009·0	+1·0	305·7	308·0	..	297·8	296·3	..	301·7	+1·0	..	295	+ 41
1058																		
1061	Koepang	10 10	123 34	3·3	..	1009·6	+0·8	304·2	306·1	4th	296·9	296·0	21st	300·5	..	300·2	263	+ 42
1061*a*	Derby	17 18	123 40	16·2	..	1009·1	+0·5	307·8	311·8	6th	299·5	294·4	17th	303·7	+0·6	..	106	− 35
1062	Hall's Creek	18 13	127 46	373·6	..	1007·4	−1·5	311·5	314·1	9th	296·6	290·8	31st	304·1	+2·8	..	32	+ 50
1063	Port Darwin	12 28	130 51	29·6	..	1007·4	0·0	305·8	308·9	9th	298·6	295·9	21st	302·2	+0·3	301·3	300	+ 57
1064	Daly Waters	16 16	133 23	210·6	..	1005·8	−1·6	309·6	313·3	28th	296·9	293·8	25th	303·3	+1·5	*302·9*	59	+130
1065	Mein	13 13	142 47	121·9	..	1007·4	+0·5	303·8	306·3	2, 3, 29	296·1	294·6	24th	299·9	−0·1	..	362	+249
1066	Georgetown, Queensland	18 22	143 32	301·8	..	..	..	304·3	306·1	3rd, 22nd	294·9	290·2	23rd	299·6	−0·3	..	479	+258
1067	Samarai	10 37	150 40	..	..	1009·1	+0·9	..	..	..	296·8	..	..	301·1	..	..	332	+ 59
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1009·4	1009·9	−0·1	302·8	305·1	22nd	296·9	296·1	1st	299·9	+0·2	..	315	− 58
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1010·7	1011·4	+0·9	301·9	304·1	7th	296·3	293·0	24th	299·1	+0·4	..	158	−111
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·2	1013·6	−1·0	292·6	294·0	sev. dates	283·6	281·0	27th	288·1	+0·9	*290·0*	0	− 2
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1008·5	1016·0	+1·4	300·8	309·2	13th	290·9	287·5	26th	295·9	−2·0	*295·4*	369	+243
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	914·0	1015·4	+0·2	..	304·2	..	..	281·8	..	292·9	+0·5	..	100	− 17
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·9	1014·0	−0·6	..	307·9	26th	..	294·1	..	..	+0·5	298·6	46	− 87
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	296·7	299·9	30th	285·8	280·4	9th	291·2	+0·8	..	74	− 33
1142	Kimberley	28 42	24 47	1202	882·9	..	+0·8	303·2	307·4	11th	288·0	281·3	27th	295·6	+1·2	*294·8*	47	− 31
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	297·4	299·1	4th	293·3	290·2	15th	295·3	..	..	146	+ 10
1144	Lorenzo Marques	25 58	32 36	59	..	1015·1	+0·2	302·8	309·9	22nd, 26th	293·7	290·8	20th	298·3	+0·3	297·7	81	+ 2
1147	Mauritius	20 6	57 33	54·3	1004·2	1010·5	−1·5	302·6	305·2	10th	295·8	292·9	7th	299·2	+0·6	298·9	224	− 14
1159	Onslow	21 43	114 57	4·3	..	1008·0	−0·2	310·1	318·6	15th	294·4	290·2	12th	302·3	+0·1	..	1	− 22
1160	Peak Hill	25 38	118 47	588	..	1006·6	−2·5	310·6	315·2	7th	295·6	290·6	27th	303·1	+2·3	..	1	− 32
1161	Nullagine	21 53	120 5	386	..	1006·9	−1·6	312·8	316·3	9th	297·1	293·0	8th	304·9	+2·8	..	3	− 57
1162	Laverton	28 40	122 23	466	..	1011·5	−2·0	307·3	315·7	14th	291·2	282·5	26th	299·2	+1·8	..	38	+ 7
1163	Alice Springs	23 38	133 37	587	..	1008·4	−2·2	308·6	312·4	9th	291·4	285·2	30th	300·0	+2·1	301·1	1	− 28
1164	William Creek	28 55	136 21	76·2	..	1012·0	−1·9	307·0	313·0	18th	293·1	286·3	29th	300·1	+2·4	*300·0*	2	− 15
1165																		
1166	Boulia	22 55	139 38	146	..	1007·9	−0·6	..	..	..	..	..	..	305·4	..	..	4	− 42
1167	Mitchell	26 32	147 52	336	..	1011·8	+0·5	302·1	306·3	20th	291·3	288·6	17th, 31st	296·7	+0·6	..	46	− 35
1167	Rockhampton	23 24	150 30	11·3	..	1011·8	+0·2	303·4	307·1	2nd	294·7	291·4	16th	299·1	+0·3	..	140	+ 8
1168	Brisbane	27 28	153 2	41·7	..	1014·2	0·0	301·0	305·6	1st	292·7	290·7	13th	296·8	+0·2	..	197	+ 47
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

MARCH—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	294·2	297·1	11th	289·1	286·0	25th	291·7	−0·7	*291·4*	30	− 13
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1009·9	1014·7	−0·3	294·6	300·7	20th	286·0	282·7	26th	290·3	−0·7	*289·4*	0	− 10
1222	Santiago	33 27	70 42	520	954·2	1014·0	+0·3	300·2	305·6	21st	281·9	278·8	27th, 28th	291·1	+0·3	*289·8*	0	− 5
1222*a*	Concepcion	36 50	73 3	15	1013·2	1015·0	..	295·5	300·4	18th	282·2	279·0	sev. dates	288·9	..	*288·4*	43	..
1223	Cordoba	31 25	64 12	439	965·2	1015·9	+1·3	300·0	305·5	12th	285·7	277·2	26th	292·9	−0·9	292·1	46	− 42
1224	Bahia Blanca	38 45	62 15	20	1011·4	1013·8	+3·4	298·5	307·0	..	286·7	278·6	..	292·6	−0·5	..	35	− 29
1225	Buenos Ayres	34 16	64 11	25·2	1011·8	1014·8	+0·8	297·9	304·4	13th	287·8	280·5	26th	292·8	−1·7	*292·3*	66	− 48
1225*a*	Rio Grande	32 2	52 9	2	1011·7	1011·9	−0·6	298·6	302·8	6th	292·8	289·8	29th	295·7	0·0	295·5	221	+140
1226	Montevideo	34 55	W56 13	24·9	..	1014·1	+1·0	..	302·5	13th	..	287·8	24th	..	+0·1	293·3	221	+125
1239	Cape Town	33 56	E18 29	12	..	..	..	298·9	308·1	1st	287·7	281·0	26th	293·3	+0·2	..	8	− 16
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1014·7	−0·7	299·9	314·2	6th	288·5	283·0	11th	294·2	−0·4	..	1	− 17
1260	Katanning	33 42	117 35	310	..	1015·3	−0·6	298·7	308·6	6th, 23rd	285·3	279·0	27th	292·0	−0·1	..	12	− 12
1261	Coolgardie	30 57	121 10	423	..	1013·4	−1·3	303·1	310·2	3rd	287·9	280·8	27th	295·5	+0·4	..	6	− 13
1262	Eucla	31 45	128 58	4·6	..	1014·0	−2·3	296·7	301·1	31st	289·8	284·6	6th	293·3	−0·4	..	13	− 10
1263	Streaky Bay	32 48	134 13	13·1	..	1015·7	−1·2	300·6	309·7	9th	289·1	284·1	29th	294·9	+1·7	..	36	+ 21
1264	Adelaide	34 56	138 35	42·7	..	1015·7	−1·3	301·7	311·6	6th	289·7	283·7	30th	295·7	+1·6	*295·2*	28	+ 2
1265	Melbourne	37 49	144 58	35·1	..	1016·3	−0·7	297·9	308·4	11th	287·9	281·1	18th	292·9	+1·8	292·4	43	− 14
1266	Bourke	30 13	145 58	110	..	1015·2	+1·0	305·6	311·9	19th	290·7	280·5	31st	298·1	−0·1	..	9	− 23
1267	Sydney	33 51	151 13	44·5	..	1016·2	0·0	297·6	301·3	19th	291·4	288·5	4th	294·5	+0·8	..	280	+150
1268	Lord Howe Island	31 20	159 0	4·6	..	1017·2	..	298·2	299·6	27th, 28th	292·4	288·6	14th, 18th	295·3	..	..	45	− 93
1271	Auckland	36 50	174 50	38·1	..	..	..	295·2	298·0	twice	287·2	282·4	22nd	291·2	−0·1	..	56	− 20
1272	Napier	39 32	176 53	21·3	..	1018·1	+1·2	295·1	301·9	3rd	285·7	279·4	8th	290·4	−0·1	..	138	+ 46
		S.	E.															

MARCH—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1020·9	..	289·8	293·0	twice	284·2	279·7	twice	287·0	+0·3	..	110	+ 29
1302																		
1321	Isla Huafo	43 34	74 45	140	1000·7	1017·6	+0·9	287·3	291·2	3rd	283·7	280·9	16th	285·5	+0·6	*285·5*	92	+ 30
1322	Punta Galera	40 1	73 44	40	1011·9	1016·7	+0·5	287·9	291·0	11th	282·7	280·4	18th	285·3	−0·5	*285·7*	44	− 61
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1016·8	+2·8	293·6	304·8	9th	284·9	279·7	17th	289·2	+1·0	*288·2*	32	− 11
1366	Launceston	41 27	147 10	10·1	..	1016·8	+2·3	297·9	304·9	12th	285·1	277·4	31st	291·5	+2·4	..	26	− 19
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·1	295·8	twice	280·4	273·0	24th	285·7	−0·2	..	14	− 90
1371	Dunedin	45 52	170 31	91	..	1016·8	+2·5	290·8	296·3	12th	282·8	278·6	9th	286·8	+0·7	..	45	− 36
1371*a*	Christchurch	43 32	172 38	7·6	..	1018·1	+1·5	292·2	298·0	3rd	282·7	275·7	11th	287·4	−0·3	..	26	− 30
1372	Wellington	41 16	174 46	2·4	..	1018·9	+2·6	292·3	298·0	28th	285·8	279·3	10th	289·1	+0·1	..	59	− 24
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1000·2	1006·9	+4·4	286·0	287·9	11th	281·0	278·6	16th	283·5	+1·6	*283·0*	358	+ 52
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·6	1006·1	+5·8	287·4	293·4	4th	279·0	273·8	17th	283·2	+1·0	*283·2*	32	— 11
1423	Punta Dungeness	52 24	68 26	5	1005·1	1005·7	+4·6	287·6	291·5	4th	282·4	279·6	27th	285·0	+1·2	*284·3*	22	— 1
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424a	Año Nuevo	54 39	64 9	50	997·2	1003·3	..	283·1	285·9	14th	279·0	275·0	2nd	281·1	..	281·1	50	..
1425	Cape Pembroke	51 41	57 42	21	1005·7	1007·6	+6·7	285·9	291·9	4th	278·9	275·2	25th	282·4	+1·1	282·7	..	— 23
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	36	— 84
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	998·9	+2·1	282·6	293·8	9th	274·6	270·8	8th	278·6	+0·4	*278·2*	54	..
1467	Macquarie Island	54 30 S.	158 57 W.	9·1	..	1007·8	+5·7	280·1	..	..	277·7	..	..	278·9	..	..	..	..

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·7	991·4	992·3	+2·0	275·6	279·9	8th	270·4	265·7	11th	273·0	+0·9	273·4	53	— 2
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	160	160	150	150	9·3	NE 5	NE 5	Calm 0	SW 4	NE	Calm 0	E 1	W 3	Calm 0
2	150	150	160	150	5·6	NE 4	NE 4	W 4	SW 4	NE	NW 2	N 1	Calm 0	NW 2
3	160	160	160	160	4·6	NE 5	NE 4	SW 4	S 4	NE	NW 2	N 1	Calm 0	NE 3
4	150	160	160	160	6·1	E 4	NE 4	Calm 0	SW 4	NE	Calm 0	NW 2	Calm 0	NE 3
5	160	160	150	160	5·4	NE 4	NE 4	Calm 0	Calm 0	NE	NW 2	NE 1	Calm 0	NE 3
6	160	160	150	160	4·2	NE 4	E 3	Calm 0	SW 4	E	N 3	N 1	Calm 0	SE 2
7	160	150	150	150	4·8	E 4	NE 4	SW 4	SW 4	E	Calm 0	NE 3	Calm 0	Calm 0
8	160	150	150	150	4·6	NNE 4	NE 4	S 2	SW 4	SE	SE 2	NE 1	Calm 0	SW 2
9	150	150	160	160	3·4	NE 3	NE 4	Calm 0	SW 4	NE	NW 2	E 1	Calm 0	NE 3
10	160	160	160	160	5·6	NE 4	NE 5	SW 4	SW 2	Variable	SE 2	Calm 0	NW 1	E 3
11	160	160	..	..	(3·6)	E 4	NE 5	Calm 0	Calm 0	E	Calm 0	NW 1	W 1	E 2
12	..	..	160	150	(8·4)	NE 5	NE 5	NE 4	SW 4	NE	Calm 0	W 1	Calm 0	SE 5
13	160	160	150	150	9·1	E 4	NE 2	W 2	W 4	Variable	NW 3	N 1	Calm 0	SSW 4
14	150	150	160	150	7·0	NE 4	NE 2	W 2	W 2	N	NW 3	N 1	Calm 0	SW 2
15	150	150	160	160	5·5	E 4	NE 3	SW 2	SW 4	ESE	NW 3	E 1	W 1	SE 2
16	160	170	150	160	4·7	NE 3	Calm 0	NE 4	SW 4	NW	NW 2	N 1	Calm 0	Calm 0
17	160	160	170	170	4·9	NE 2	Calm 0	N 2	SW 4	N	NW 2	S 1	Calm 0	NE 2
18	170	170	150	150	5·4	ENE 4	NE 4	Calm 0	SW 4	E	Calm 0	WSW 2	W 2	E 3
19	150	150	150	150	4·0	E 3	E 3	SW 4	W 4	NE	NW 2	Calm 0	Calm 0	NE 4
20	150	150	170	170	6·2	E 4	E 4	W 2	SW 4	NE	Calm 0	E 1	Calm 0	N 3
21	170	170	150	160	6·1	ENE 5	NE 4	Calm 0	SW 4	NE	NW 2	E 1	Calm 0	E 1
22	160	160	135	150	4·6	NE 4	NE 4	SW 6	W 4	N	Calm 0	ESE 1	Calm 0	Calm 0
23	150	150	150	160	3·1	ENE 4	NE 4	SW 6	W 4	SE	Calm 0	E 1	N 2	Calm 0
24	160	160	160	160	5·3	NE 5	Calm 0	SW 2	W 4	E	E 3	N 2	Calm 0	SE 3
25	160	160	160	160	7·1	N 2	N 2	W 4	SW 4	SE	Calm 0	S 1	W 1	SE 2
26	135	150	120	150	7·9	NE 4	ENE 3	W 2	W 6	E	Calm 0	NW 1	N 1	SW 3
27	150	150	150	150	8·8	NE 3	NE 3	Calm 0	W 4	N	E 3	N 1	Calm 0	SW 3
28	150	150	160	160	6·2	NE 4	NE 3	NE 4	SW 4	N	Calm 0	E 1	Calm 0	Calm 0
29	160	160	160	160	5·5	E 3	E 3	Calm 0	SW 4	SE	E 2	E 1	Calm 0	Calm 0
30	160	160	160	160	6·4	E 4	E 2	Calm 0	SW 4	SE	E 2	S 2	W 2	SW 1
31	170	160	150	150	7·2	E 2	NE 3	NE 2	SW 4	SE	NW 3	SSE 2	Calm 0	2·0
Mean	157	157	154	156	5·8	3·8	3·2	2·1	3·7	..	1·5	1·2	0·5	100° (23)
Resultant †	156°				..	55° (89)		240° (58)		45° (75)	340° (28)	360° (16)		79° (44)
Normal †	142°				6·5	85° (81)		277° (38)		76° (77)	320° (9)	84° (41)		

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1914.

**Barents Sea.*—"Broken ice existed along the Murman Coast between 38° E. and 41° E.; at 41° E. the firm bank was met."

**Spitsbergen.*—"Icefiord was still covered with ice."

**Iceland.*—"Except for ice driven against Cape North by north-easterly gales, forming a belt 20 miles wide, during the first days of the month, the coasts were free."

**Davis Strait.*—"Ice extended as usual along the coast from Cape Farewell northwards. The sea was free of ice 60 miles off the Cape. Disko Bay ice was broken up by an easterly gale, but froze together again."

North Atlantic and Labrador.—"The eastern limit of ice was 42° 40′ W., and the southern limit 42° N. A considerable amount of ice was present in the Gulf of St. Lawrence, and Belle Isle Strait was filled."

* *Isforholdene i de arktiske Have. 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. APRIL—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5														
124																		
125	Upernivik	72 47	W56 7	18·9	1007·4	1009·9	— 5·3	..	..	..	254·0	247·5	7th	..	—1·0	*257·6*	2	— 12
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1000·3	1001·8	—10·4	..	275·8	13th	257·4	235·2	8th	..	..	262·4	15	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1001·4	1002·2	— 9·0	..	280·3	23rd	271·1	264·4	9th	..	+1·2	*273·5*	97	+ 60
142	Mehavn	71 1	27 47	6·4	1002·0	1002·8	— 6·9	..	279·2	23rd	270·5	261·5	9th	..	+1·3	*273·0*	49	+ 3
143	Vardö	70 22	31 8	10·0	1002·4	1003·7	— 8·2	..	277·8	24th	269·9	265·0	1st	..	+1·0	*272·5*	18	— 24
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. APRIL—ZONE 2.

203	Nome	64 31	165 24	6·1	1014·0	1014·8	+ 5·7	270·7	275·8	..	262·8	245·8	..	266·7	+1·3	..	28	+ 13
204	Candle	65 55	161 57	? 2·4	..	..	..	269·4	275·2	24th	260·3	243·0	14th	264·8	..	..	..	..
205	Tanana	65 12	152 0	? 74	1006·3	?1015·9	..	272·7	278·6	..	260·7	246·3	..	266·7	—1·8	..	21	+ 14
206	Rampart	65 30	150 15	? 122	..	..	..	276·2	285·2	9th	261·3	254·1	13th	268·7	..	..	12	+ 7
207	Valdez	61 6	146 13	3·1	1010·3	1010·7	+ 1·7	278·4	282·4	..	268·2	260·2	..	273·3	—0·8	..	100	+ 20
208	Eagle	64 46	141 12	250	980·3	1011·6	+ 2·5	277·7	287·4	..	261·8	246·9	..	269·7	—1·1	..	8	— 4
209	Dawson	64 4	139 20	328	973·2	1014·2	+ 1·7	277·3	287·4	27th, 28th	262·7	*249·7*	16th, 17th	270·0	—1·4	..	6	— 7
210	Carcross	60 11	134 34	662	..	..	..	278·1	285·8	27th	266·6	254·1	2nd	272·3	+0·4	..	0	— 8
211																		
212	Fort Simpson	61 52	121 35	129	999·7	1016·1	..	..	..	..	264·1	249·7	2nd	271·0	..	..	13	— 18
213	Hay River	60 51	115 20	161	997·0	1017·5	..	276·2	285·8	30th	263·2	254·1	3rd	269·7	0·0	..	15	..
214	Fort Resolution	61 10	113 50	240	..	..	..	273·4	283·0	..	260·9	247·4	..	267·2	..	..	12	..
225	Jacobshavn	69 13	51 2	12·6	1005·1	1006·7	— 7·3	266·3	277·6	14th	255·4	242·9	8th	260·9	—2·3	*260·8*	9	— 2
226	Godthaab	64 11	51 44	9·0	999·4	1000·6	— 8·4	272·7	280·0	14th	265·6	257·4	27th	269·1	—1·0	*268·2*	0	— 29
229	Angmagsalik	65 37	37 34	31·7	999·6	1003·6	— 5·9	273·5	281·7	25th	260·7	251·3	7th	267·1	—2·6	*266·2*	37	— 29
230																		
231	Stykkisholm	65 5	22 46	11·3	1002·7	1004·2	— 5·8	275·0	280·5	25th	268·9	261·7	8th	271·9	—2·0	*271·8*	47	+ 9
232	Vestmanno	63 26	20 15	7·7	1001·9	1002·8	— 7·0	278·8	281·6	25th	273·5	264·3	8th	276·1	—1·0	*276·0*	131	+ 32
233	Grimsey	66 33	17 58	22·0	1003·6	1004·5	— 7·2	272·8	278·9	17th	268·6	263·2	28th	270·7	—1·1	*270·8*	10	— 3
234	Berufjord	64 40	14 19	18·0	1001·1	1003·4	— 8·2	277·6	286·7	25th	270·9	264·6	14th	274·3	—0·3	*274·1*	44	— 39
235	Thorshavn	62 3	6 45	25·7	1003·9	1007·0	— 3·7	281·5	286·6	17th	276·5	271·0	30th	279·0	+1·0	..	61	— 34
236	Lerwick	60 9	W 1 8	18·0	1008·0	1010·6	— 0·6	282·2	288·0	20th	277·8	274·1	25th	280·0	+1·7	..	66	+ 8
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·8	1013·3	— 0·3	..	290·5	22nd	277·5	273·4	30th	..	+1·1	*279·7*	215	+123
238	Christiansund	63 7	7 45	17·8	1007·2	1009·3	— 3·9	..	291·2	22nd	276·8	271·7	30th	..	+1·6	*279·2*	151	+ 96
239	Trondhjem	63 26	10 25	39·5	1005·1	1010·0	— 3·5	..	290·6	22nd	275·0	270·7	30th	..	+1·9	*278·4*	84	+ 27
240	Bodö	67 17	14 24	20·5	1002·7	1005·2	— 7·1	..	287·0	23rd	273·6	267·4	2nd	..	+1·5	*276·4*	129	+ 82
241	Haparanda	65 50	24 9	9·2	1006·1	1007·3	— 2·1	277·3	284·0	22nd	270·5	254·0	1st	273·9	+2·4	*273·5*	41	+ 18
242	Helsingfors	60 10	24 57	11·7	1011·0	1012·4	— 2·0	279·9	291·2	22nd	273·6	267·6	2nd	276·8	+2·1	276·8	20	— 15
242a	Kuopio	62 54	27 40	99·7	998·7	1009·9	— 4·4	279·7	286·7	24th	269·5	255·5	2nd	274·6	+0·9	*275·0*	9	— 21
243	Kola	68 53	33 1	6·7	..	1006·4	— 5·4	..	280·4	24th	..	256·0	2nd	..	—0·5	*271·4*	28	+ 14
244	Petrozavodsk	61 47	34 23	38·9	..	1012·0	— 2·5	..	289	..	..	251	..	..	—0·1	*273·8*	9	— 19
245	Arkhangelsk	64 33	40 32	6·7	..	1009·9	— 3·5	..	279	..	..	252	..	..	—1·5	*270·3*	7	— 12
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1011·9	— 3·3	..	278	..	..	240	..	..	—4·4	*266·0*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1012·3	— 3·9	..	280·0	30th	..	248·3	12th	..	—3·4	*263·8*	8	— 8
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		..
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1015·8	— 2·2	..	282·5	29th	..	240·2	1st	..	+1·1	*269·1*	3	— 5
262	Iakoutsk	62 1	129 43	? 108	..	1015·5	+ 0·4	..	280·0	30th	..	241·9	1st	..	+1·3	*265·2*	2	— 7
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1013·9	1017·3	+ 0·8	..	277·8	30th	250·1	233·6	1st	257·6	—0·5	..	1	— 2
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

APRIL—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1017·9	1018·4	+9·7	279·7	285·2	1st	272·9	267·4	3rd	276·3	+1·7	..	43	−45
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	‡279·9	‡285·2	23, 29, 30	272·4	268·6	14th, 16th	‡276·2	..	..	53	−44
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1008·3	1011·6	+0·2	284·4	290·8	..	275·6	271·9	..	280·0	+1·9	..	140	−20
310	Prince Rupert	54 18	130 18	52	1005·7	1013·2	0·0	284·7	293·0	9th	277·8	275·2	1st	281·3	+1·6	..	231	+2
311	Barkerville	53 2	121 35	1274	867·3	1013·9	+0·7	280·8	286·3	29th, 30th	270·9	264·1	21st	275·8	+1·4	*276·0*	58	+8
312	Kamloops	50 41	120 29	380	973·2	1014·5	+1·7	291·1	298·6	30th	276·7	269·4	1st	283·9	+1·1	*283·9*	10	+1
313	Calgary	51 2	114 2	1033	894·0	1014·9	+1·8	286·2	295·2	30th	271·8	264·1	7th	279·0	+1·6	*279·2*	15	−4
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	963·4	1017·3	+2·9	284·1	294·1	24th	268·8	257·4	7th	276·5	+1·2	*277·0*	34	+13
316	Qu'Appelle	50 30	103 47	645	939·0	1016·6	+2·0	283·1	294·1	16th	270·0	258·0	7th	276·5	+0·6	*276·8*	23	−5
317	Minnedosa	50 15	99 50	515	956·0	1019·3	+2·9	281·5	294·1	14th	269·0	257·0	7th	275·3	−0·8	*275·2*	42	+16
318	Berens River	52 18	97 23	216	..	..	..	278·1	286·9	17th	264·5	255·2	7th	271·3	−0·5	*271·2*	15	−5
318a	York Factory	57 0	92 28	16·8	1020·4	1022·6	+4·0	..	..	..	255·2	241·3	11th	262·7	..	..	118	+88
319	Fort Hope	51 33	87 49	335	..	..	..	275·2	289·7	17th	260·7	242·4	3rd	267·9	−4·5	..	..	..
320	Moose Factory	51 14	80 30	9·1	1018·5	1019·7	+2·1	273·7	285·8	26th	260·5	245·8	7th	267·1	−3·5	..	13	−9
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1013·0	1016·3	..	268·6	279·1	16th	257·3	243·0	1st	262·9	..	..	22	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	277·4	27th	..	255·2	2nd	268·8	−3·4	..	53	+7
327	Belle Isle	51 23	55 23	132·8	989·4	1006·7	−5·1	269·7	279·7	28th	263·2	249·7	2nd	268·1	−2·2	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1015·5	1017·2	+4·1	286·1	290·2	27th	279·7	275·8	16th	282·9	+1·0	283·1	60	−36
335	Aberdeen	57 10	2 6	26·8	1010·5	1013·8	+1·3	285·1	293·0	20th	277·5	274·1	4th	281·3	+1·8	281·6	15	−36
336	Greenwich	51 28	W 0 0	48·5	1013·3	1019·1	+5·7	289·2	296·3	21st	277·4	273·0	26th	283·3	+1·4	282·9	28	−13
337	Uccle	50 48	E 4 22	100	1007·3	1019·5	+5·4	289·8	298·2	29th	278·8	274·0	16th	284·3	+2·6	284·2	42	−11
338	De Bilt	52 6	5 11	3·0	1019·3	1019·7	+5·5	289·0	298·4	22nd	277·8	273·1	27th	283·4	+2·1	283·1	40	−14
338a	Hamburg	53 33	9 59	40	1013·9	1018·8	+5·7	287·1	296·0	22nd	279·4	276·0	26th	283·3	+2·4	*282·9*	63	+17
339	Copenhagen	55 41	12 36	5·0	1016·8	1017·4	+3·7	284·6	292·5	22nd	278·1	275·9	4th	281·3	+2·5	*281·3*	56	+21
340	Potsdam	53 23	13 14	84·9	1009·2	1019·6	+5·5	289·5	297·1	22nd	278·0	273·5	16th	283·7	+2·6	283·4	41	+8
340a	Upsala	59 51	17 38	24·0	1009·9	1012·8	−1·0	285·3	297·3	22nd	274·2	270·9	30th	279·8	+3·9	279·7	12	−16
341	Warsaw	52 13	21 2	120	..	1019·1	+4·8	..	295	..	..	273	..	..	+1·7	*282·3*	26	−12
342	Jurjev	58 23	26 43	74·5	1004·3	1013·6	−0·3	282·1	294·9	23rd	273·4	269·7	2nd, 7th	277·8	+1·4	277·8	28	+1
343	Petrograd	59 56	30 16	4·8	..	1012·3	−1·9	..	286	..	..	267	..	..	+1·4	*276·4*	26	0
344	Kiev	50 27	30 30	182·9	..	1016·4	+1·7	..	295	..	..	269	..	..	+1·2	*281·1*	28	−15
344a	Moscow	55 46	37 40	156	..	1013·8	−4·9	..	285	..	..	267	..	..	+0·2	*276·5*	23	−14
345	Saratov	51 32	46 3	59·9	..	1013·5	−3·8	..	293	..	..	267	..	..	0·0	*278·4*	37	+11
346	Kazan	55 47	49 8	79·8	1001·6	1011·6	−5·2	..	291	..	..	261	..	..	−1·4	274·6	25	0
347	Orenburg	51 45	55 6	114·1	..	1012·8	−5·4	..	291	..	..	264	..	..	−0·5	*275·9*	85	+62
348	Perm	58 1	56 16	163·0	..	1010·4	−6·0	..	285	..	..	253	..	..	−3·5	*271·1*	48	+20
349	Ekaterinburg	56 50	60 38	288·9	..	1011·9	−6·1	..	287	..	..	253	..	..	−3·2	*271·1*	65	+50
350	Tobolsk	58 12	68 14	108	..	1011·5	−7·9	..	286·3	29th	..	258·0	12th	..	−2·4	*270·7*	21	+4
351	Akmolinsk	51 12	71 23	‡347	..	1016·7	−5·7	..	294·3	20th	..	263·5	14th	..	+3·1	*277·0*	..	..
352	Omsk	54 58	73 23	90	..	1013·4	−7·2	..	290·4	28th	..	261·2	14th	..	+1·9	*274·7*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1019·5	−2·4	..	293·2	29th	..	263·9	1st	..	+2·5	*276·3*	18	+3
354	Tomsk	56 30	84 58	121·6	..	1016·6	−3·6	..	289·9	29th	..	258·0	1st	..	+1·8	*273·4*	25	+1
355	Minousinsk	53 43	91 41	‡245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1016·6	−2·7	..	286·4	30th	..	258·2	5th	..	+1·7	*273·0*	27	+9
357	Irkutsk	52 16	104 19	467	..	1023·0	+2·7	..	297·2	23rd	..	253·6	1st	..	+2·0	*276·1*	11	−4
358	Kirensk	57 47	108 7	‡263	..	1018·6	+0·9	..	284·8	30th	..	244·9	1st	..	+1·6	*272·8*	20	+8
359	Tchita	52 2	113 30	664	..	1022·0	+5·7	..	296·8	23rd	..	251·2	1st	..	+1·6	*274·8*	0	−10
360	Blagoveshchensk Priisk	58 10	114 17	‡490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1016·7	+1·6	..	295·8	23rd	..	254·9	1st	..	+1·6	*274·3*	25	+9
361	Tygan Ourkan	54 5	124 46	‡359	968·3	1012·6	..	..	283·9	30th	265·6	256·6	8th	..	..	*272·0*	17	..
362	Blagoveshchensk	50 15	127 31	133·6	994·8	1011·3	+0·3	..	291·0	23rd	270·6	259·6	2nd	..	+1·8	*276·6*	9	−14
363	Paikanskii Sklad	50 11	130 7	‡145	992·3	1010·4	..	..	288·2	24th	265·4	247·4	3rd	..	..	*273·9*	6	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·6	1013·3	+2·6	..	279·4	29th	263·5	252·1	3rd	..	−1·4	*268·6*	17	−12
366	Okhotsk	59 21	143 17	6·0	1014·3	1015·1	+1·3	..	272·4	27th	257·5	243·8	1st	..	−3·2	*263·4*	9	0
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	998·4	1009·5	+4·7	..	276·0	13th	268·8	260·2	1st	270·9	−0·6	..	93	+27
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

APRIL—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9‡	1012·8	1017·7	+0·4	287·3	291·0	9th	279·2	274·8	1st	283·3	+1·6	282·8	26	−18
412	Portland, Oregon	45 32	122 41	46·6	1012·9	1018·3	+0·6	290·1	297·4	30th	280·1	275·8	28th	285·1	+1·2	*284·9*	78	0
413	Macleod	49 44	113 24	954	..	..	..	285·9	292·7	12th	272·0	263·0	22nd	278·9	−0·2	*279·1*	8	−6
414	Helena	46 34	112 4	1253	873·9	1017·3	+2·7	284·8	291·3	19th	274·5	269·7	8th	279·7	−0·1	*279·3*	34	+6
414a	Salt Lake City	40 46	111 54	1329	865·6	1013·2	+0·3	288·9	295·2	4th	279·1	276·3	16th	284·0	+0·8	*283·9*	72	+21
415	Cheyenne	41 8	104 48	1856	811·8	1015·6	+2·3	282·8	292·4	15th	272·3	261·9	8th	277·5	−0·2	*278·1*	66	+22
416	North Platte	41 8	100 45	859	916·7	1016·2	+2·5	290·6	301·9	20th	275·5	262·4	8th	283·1	+0·3	*282·7*	38	−16
416a	Bismarck	46 47	100 38	510·6	957·3	1018·6	+3·1	285·8	297·4	23rd	272·6	261·9	7th	279·2	+0·1	*279·0*	23	−19
417	Winnipeg	49 53	97 7	231·6	989·8	1018·9	+2·0	280·4	291·9	16th	270·2	260·2	7th	275·3	−0·9	*274·7*	19	−19
418	Duluth	46 47	92 6	345·1	975·1	1017·6	+1·4	278·0	292·4	15th	269·8	260·2	8th	273·9	−2·2	*273·9*	74	+22
419	Port Arthur	48 27	89 12	196·3	993·4	1018·3	+1·4	279·0	289·7	26th	267·1	257·4	3rd	273·1	−1·3	*273·1*	35	−4
420	Chicago	41 53	87 37	250·9	986·5	1016·9	+1·0	286·5	300·2	21st	277·6	266·3	8th	282·1	+1·1	*281·6*	27	−43
421	Toronto	43 40	79 24	115·5	1002·7	1017·1	+1·4	282·4	292·4	18th	274·2	267·2	9th	278·3	+0·1	277·4	49	−12
422	New York (Central Park)	40 46	73 58	29·6	1012·8	1016·4	+0·7	286·0	300·8	19th	277·6	270·2	4th	281·8	−0·8	*281·7*	85	−1
423	St. John, N.B.	45 17	66 4	? 22	1012·2	1015·2	+1·9	278·4	288·4	27th	271·1	264·1	3rd, 4th	274·7	−2·2	*274·3*	135	+46
424	S. W. Point, Anticosti	49 24	63 35	9·1	1011·2	1012·8	+0·5	273·1	287·4	28th	266·1	256·1	2nd	269·6	−3·0	..	41	+7
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·2	1016·2	+2·0	277·4	282·4	..	272·3	267·4	..	274·9	−1·2	..	84	−9
426	St. Johns, Newfoundland	47 34	52 42	38·1	1002·0	1006·4	−5·2	275·1	283·0	10th	268·5	259·7	2nd	271·8	−3·1	..	77	−28
435	Madrid	40 24	3 41	655·4	941·9	1017·9	+2·8	293·5	299·7	6th	278·8	273·2	9th	286·1	+0·9	285·9	85	+42
436	Nantes	47 15	W 1 34	41·4	1014·6	1019·6	+4·4	290·0	296·2	28th	280·2	277·5	16th	285·1	+1·3	285·0	44	−3
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·5	1019·6	+4·9	291·6	297·6	29th	279·0	275·0	9th	285·3	+2·3	285·2	21	−23
438	Marseilles	43 18	5 23	75	1009·6	1018·7	+6·0	293·2	299·4	23rd	281·5	277·2	1st	287·3	+1·7	287·3	8	−39
438a	Zürich	47 23	8 33	493·2	961·8	1020·3	+5·8	291·1	297·7	29th	278·1	273·8	10th	284·6	+2·3	284·1	63	−28
439	Rome	41 54	12 28	50·6	1012·1	1017·9	+5·0	293·8	297·1	29th	282·4	276·8	3rd	288·1	+1·4	*288·0*	8	−60
440	Vienna	48 15	16 22	202·5	995·0	1019·9	+6·3	289·4	295·1	3rd	279·3	275·6	17th, 20th	284·4	+1·9	284·3	32	−18
440a	Buda-Pesth	47 30	19 2	129	1003·7	1019·3	+5·9	292·6	298·6	30th	279·3	274·3	6th	285·9	+2·2	286·0	10	−48
441	Bucharest	44 25	26 6	82	1008·3	1018·3	+4·0	291·5	297·1	15th	278·6	273·4	1st	285·1	+0·8	285·1	28	−19
442																		
443	Odessa (University)	46 29	30 44	65	..	1018·0	+3·1	..	295	..	..	272	..	..	+1·4	*282·7*	10	−15
444	Kharkov (University)	50 0	36 14	140	..	1016·3	−0·2	..	293	..	..	270	..	..	+0·2	*280·2*	31	−4
444a	Novorossiisk	44 44	37 49	37	..	1016·7	+1·4	..	293	..	..	273	..	..	−0·6	*282·8*	..	..
445	Tiflis	41 43	44 48	409	..	1016·6	−0·3	..	297	..	..	276	..	..	−0·4	*284·3*	86	+31
446	Astrakhan	46 21	48 2	−14	..	1016·2	−0·7	..	293	..	..	270	..	..	+0·3	*282·3*	..	..
447	Fort Alexandrovsk	44 31	50 16	24	..	1015·0	−1·2	..	290·4	8th	..	276·0	16th	..	0·0	*282·3*	‡36	+22
448	Krasnovodsk	40 0	52 59	−15	..	1015·0	−1·3	..	296	..	..	276	..	..	+0·3	*286·9*	..	..
449	Tachkent	41 20	69 18	478·3	..	1016·1	+0·1	..	300·4	22nd	..	278·6	15th	..	+1·1	*288·1*	37	−19
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1009·9	1015·3	+0·8	290·0	300·9	21st	275·2	266·6	3rd	282·6	+1·6	282·8	3	−23
462	Joshin	40 40	129 11	4·0	1013·2	1013·7	−0·1	286·1	300·9	21st	275·3	268·6	3rd	280·7	+0·2	280·0	2	−24
463	Vladivostok	43 7	131 55	26·8	1010·6	1013·9	−1·4	..	290·5	20th	273·8	266·8	3rd	..	+0·4	*277·7*	4	−25
464																		
465	Ochiai	47 20	142 44	6·6	1011·3	1012·2	+0·7	276·4	284·7	19th	265·3	247·3	3rd	270·9	−2·2	271·3	40	−10
466	Nemuro	43 20 N.	145 35 E.	26·7	1007·5	1010·8	−3·1	278·0	289·3	20th	271·7	267·9	3rd, 4th	274·9	−1·2	274·6	58	−14

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1011·9	1017·6	0·0	291·2	301·3	18th	284·0	281·9	28th	287·6	+1·7	*286·8*	25	−12
512	San Luis Obispo	35 18	120 39	61·3	1010·8	1018·3	+0·8	293·1	305·2	18th	281·9	276·3	29th	287·5	+1·2	*286·9*	17	−19
513	Modena	37 48	113 54	1670	831·5	1012·5	+0·2	288·6	296·9	19th	273·8	269·7	18th	281·2	−0·3	*280·5*	55	+32
514	San Diego	32 43	117 10	26·5	1012·3	1015·2	−0·6	293·2	302·4	19th	285·5	283·0	1st	289·3	+1·2	*288·8*	22	+5
515	Santa Fé	35 41	105 57	2138	785·3	1011·2	+0·4	288·3	295·8	21st	275·5	268·6	8th	281·9	+0·4	*282·1*	11	−13
516	Denver	39 45	105 0	1613	836·2	1014·5	+2·2	287·3	298·6	20th	274·9	264·7	8th	281·1	−0·1	*281·6*	95	+42
517	Abilene	32 23	99 40	529·6	954·0	1014·9	+1·9	296·9	307·4	16th	283·4	269·7	9th	290·1	−1·2	*289·8*	136	+70
518	Saint Louis	38 38	90 12	173·1	996·3	1016·9	+1·6	291·2	300·8	16th	281·9	269·7	9th	286·5	−0·2	*286·2*	49	−41
519	Mobile	30 41	88 2	17·4	1015·4	1017·6	+0·8	297·4	301·9	30th	288·3	276·9	10th	292·9	+0·6	*292·4*	45	−78
520	Nashville	36 10	86 47	166·4	998·6	1018·6	+2·2	293·3	304·1	17th	282·2	270·2	9th	287·8	−0·2	*287·9*	97	−14
521	Charleston	32 47	79 56	14·6	1016·3	1017·9	+0·6	295·4	304·1	27th	287·5	279·1	10th	291·5	+0·8	*291·5*	70	−4
522	Washington	38 54	77 3	34·1	1013·3	1017·3	+1·0	290·7	303·0	22nd	279·2	270·8	6th	284·9	+0·1	*284·8*	81	0
523																		
524	Bermuda	32 18	64 46	46·0	1014·3	1019·8	+3·0	293·9	298·9	16th	287·9	284·1	26th	290·9	−0·4	..	99	+1
531	Horta	38 32	28 38	28	1017·9	1020·7	+0·4	289·7	292·3	27th, 29th	285·6	282·3	10th, 12th	287·7	−1·4	*287·3*	76	+9
532	Ponta Delgada	37 44	25 40	17	1019·8	1021·0	+0·6	289·7	293·0	7th	285·8	283·3	11th	287·8	−0·1	*287·3*	69	−23
533	Madeira (Funchal)	32 37	16 54	25	1016·8	1019·8	+1·1	292·4	296·2	6th	286·5	282·7	12th	289·4	−0·2	*289·4*	21	−27
535	Lisbon	38 43	9 9	95	1005·7	1017·2	+1·3	291·6	299·4	25th	284·7	281·3	19th	288·2	+0·6	*287·8*	36	−38
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6 N.	5 21 W.	16·2	1015·2	1017·1	+1·6	291·2	297·4	7th	285·3	282·4	9th	288·3	−0·7	*288·2*	76	+8
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

‡ Height changed from 25·9 m. to 70·1 m. at noon on 21st.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	975·9	1016·2	+1·2	293·0	304·6	12th	286·3	283·1	9th	289·7	+2·7	289·0	36	−17
538	Palma	39 34	2 38	23	1014·9	1017·6	+3·6	294·7	300·4	15th	286·8	283·4	9th	290·7	+2·6	..	11	−26
538a	Tunis	36 48	10 10	33	..	1017·0	+3·6	296·3	300·6	2nd	285·7	278·0	1st	291·0	+2·4	*290·6*	7	−31
539	Malta	35 54	14 31	58·8	..	1019·4	+5·2	289·9	296·6	10th	284·2	283·7	2nd	287·1	−1·3	..	1	−19
540	Catania	37 30	15 3	64·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
541	Athens	37 58	23 43	107·1	1004·1	1017·0	+3·9	292·6	298·8	16th	284·1	279·7	2nd	288·4	+0·3	288·1	28	+ 6
542	Alexandria	31 9	29 54	32·0	1012·1	1015·9	+1·5	296·0	303·8	18th	286·6	282·7	2nd	291·3	−1·3	*289·6*	8	+ 4
543	Cairo (Helwan)	29 52	31 20	115·6	1002·3	1016·0	+1·7	298·1	307·2	18th	285·2	279·4	2nd	291·7	−2·2	*290·6*	6	0
544	Nicosia	35 11	33 22	152	..	1013·5	−0·3	296·1	302·4	13th	279·3	276·9	3, 4, 8	287·7	−1·4	..	40	+ 18
544a	Beirut	33 54	35 28	52·4	..	..	..	292·7	295·1	14th	286·4	282·5	22nd	289·5	−1·8	..	117	+ 66
545	Baghdad	33 21	44 28	38·7	1008·0	1012·6	0·0	?300·7	307·1	16th	?286·9	282·2	3rd	?293·8	−0·6	..	53	+ 32
546	Lenkoran	38 46	48 52	−19	..	1016·0	−0·6	..	293	..	..	278	..	..	+0·6	*285·6*	91	+ 38
547	Busrah	30 31	47 53	7·6	1011·2	1012·1	−1·2	300·8	308·2	27th	291·0	285·6	6th	295·9	−0·5	..	10	− 4
548	Meshed	36 16	59 35	946	904·5	1010·9	..	294·1	301·8	1st	278·6	269·1	6th	286·3	−0·9	..	74	+ 30
549	Quetta	30 11	67 3	1677	833·2	..	0·0	296·1	304·4	30th	280·7	274·7	8th	288·4	−0·1	..	25	− 1
550																		
551	Lahore	31 34	74 20	214·0	985·0	1007·4	+1·1	306·9	315·8	30th	291·3	287·6	8th, 9th	299·1	−0·8	*299·0*	25	+ 12
551a	Simla	31 7	77 8	2205	781·5	..	+0·4	289·9	297·2	30th	283·2	276·2	8th	286·6	−1·0	..	82	+ 38
552	Leh	34 10	77 42	3503	667·2	..	+0·5	286·8	293·1	30th	271·2	265·7	10th	279·1	0·0	..	0	− 6
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	71	+ 55
559	Hang Kow	30 35	114 17	37·0	1011·4	1015·8	+0·3	293·3	301·4	21st	285·3	273·6	4th	289·3	−0·5	*288·9*	182	+ 42
560	Tiensin	39 10	117 10	5·0	1015·9	1016·5	+1·2	293·9	305·7	25th	280·6	271·1	4th	287·3	+0·9	*286·9*	0	− 15
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1014·9	−0·8	292·4	300·1	15th	282·2	273·0	5th	287·3	+0·1	286·5	97	+ 1
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1015·5	+0·4	287·3	295·2	27th	279·1	272·7	4th	283·2	−0·6	282·5	65	− 15
562a	Nagasaki	32 44	129 52	133·0	998·5	1014·5	+0·1	290·5	296·7	30th	282·6	276·0	6th	286·6	−1·1	286·2	176	− 41
563	Kioto	35 1	135 44	42·9	1009·2	1014·4	−0·9	290·1	298·0	21st, 27th	278·0	271·9	10th	284·1	−1·1	284·1	81	− 55
564	Tokio	35 41	139 45	21·3	1009·5	1012·1	−2·8	290·5	298·4	23rd	279·7	272·3	6th	285·1	−0·6	284·8	178	+ 30
565	Miyako	39 38	141 59	30·4	1008·3	1012·0	−3·0	286·8	302·3	22nd	275·0	268·4	4th	280·9	−0·9	280·3	153	+ 54
566																		
		N.	E.															

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.															
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	−1·1	298·6	300·8	..	292·6	288·6	..	295·6	−0·1	..	52	+ 3
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·6	1016·6	+1·3	294·6	297·4	24th	289·9	279·7	9th	292·3	−1·1	*292·3*	217	+136
618	New Orleans	29 58	90 4	15·5	1015·1	1016·9	+0·8	298·1	302·4	16th	288·9	279·1	10th	293·5	+0·2	*293·1*	136	+ 7
619	Havana	23 8	82 22	24·3	..	1016·6	+0·6	302·0	305·9	14th	294·1	291·2	17th	298·1	+1·1	*298·1*	108	+ 50
620	Key West	24 33	81 48	6·7	1015·9	1016·6	+0·1	300·8	302·4	28th	294·6	292·4	7th	297·7	+0·2	*297·4*	49	+ 19
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·1	+0·6	300·1	303·3	15th	294·5	291·1	7th	297·3	..	..	107	..
622																		
633	La Laguna	28 28	16 20	547	953·8	1017·1	−1·6	291·8	298·6	7th	283·6	280·5	27th	287·7	+0·2	..	37	− 22
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	289·0	293·7	5th	274·7	266·8	27th	281·9	+1·5	..	15	+ 1
637	Insalah	27 8	E 2 27	280	..	..	..	308·5	318·4	30th	287·6	276·7	4th	298·1	+0·6	*298·0*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	1002·4	1017·5	+1·9	304·4	314·7	18th	285·3	279·5	4th	294·9	−2·5	*294·8*	..	..
643	Tor	28 13	33 37	1·9	1012·6	1012·7	+1·6	298·9	308·0	19th	288·6	283·5	23rd	293·8	−0·8	*293·4*	..	..
644	Aswan	24 2	32 53	99·6	1002·5	1014·1	+1·3	305·3	313·5	20th	289·3	285·1	3rd, 4th	297·3	−2·5	*296·0*	..	..
647	Bushire	28 59	50 53	4·3	1011·4	1012·0	+0·6	301·6	311·1	27th	292·7	285·9	22nd	297·1	+0·7	..	21	+ 9
648	Jask	25 44	57 47	4·0	1009·9	1010·2	+1·5	304·5	311·5	30th	296·1	292·4	8th	300·3	+0·7	..	0	− 2
649	Kurrachee	24 53	66 57	4·0	1010·1	1010·7	+1·0	302·3	304·3	26th, 27th	296·1	292·4	10th, 17th	299·2	−1·6	..	0	− 4
650	Hyderabad, Sind	25 24	68 18	29·3	1005·7	1009·1	+1·0	311·3	318·3	30th	294·9	289·1	10th	303·1	−0·5	..	0	− 5
651	Jaipur	26 56	75 52	436·5	960·7	1005·6	+0·5	311·0	317·6	29th	294·8	290·3	8th	302·9	+0·2	*302·9*	0	− 55
652	Nagpur	21 8	79 5	310·2	975·5	1009·8	+1·2	310·7	317·1	30th	295·9	291·7	9th, 11th	303·3	−2·3	..	69	+ 44
653	Allahabad	25 25	81 51	94·1	998·1	1006·5	+1·2	311·7	318·1	29th	294·8	289·3	10th	303·3	−0·6	*303·0*	8	+ 38
654	Calcutta	22 36	88 23	6·4	..	1008·2	+1·9	307·1	309·7	1st	296·1	290·9	29th	301·6	−1·2	*301·1*	82	+ 38
655	Gauhati	26 8	91 41	59·7	1006·1	1013·0	+2·8	301·4	306·0	1st, 2nd	291·3	288·9	11th, 20th	296·3	−1·5	..	276	+115
655a	Cherrapunji	25 15	91 42	1314	869·1	..	+0·5	293·3	296·0	1st	285·6	280·2	28th	289·5	−1·2	..	320	+187
656	Shillong	25 33	91 48	1500	850·3	..	+1·3	293·6	299·1	2nd	284·2	281·2	16th, 17th	288·9	−2·3	..	296	+156
656a	Akyab	20 11	92 56	6·1	1011·6	1012·3	+1·8	305·6	307·3	22nd	295·6	292·2	7th	300·6	−1·1	..	28	− 15
657	Phu Lien	20 48	106 37	115·6	997·5	1010·9	+0·2	300·7	305·0	13th	294·0	286·9	5th	297·4	+1·0	296·4	85	+ 9
658	Moncay	21 31	107 51	9	1010·5	1011·5	+0·6	299·3	304·0	29th	292·9	284·3	5th	296·1	+0·3	*295·3*	106	+ 5
659																		
660	Hong Kong	22 18	114 10	33·2	1009·6	1013·4	+0·8	297·6	303·7	25th	293·0	286·3	5th	295·3	+0·7	294·9	113	− 27
661	Taihoku, Formosa	25 2	121 31	9·3	1013·3	1014·4	+0·4	298·8	305·7	27th	290·6	282·1	8th	294·7	+0·5	294·3	155	+ 21
662	Naha	26 13	127 41	10·5	1013·9	1015·2	+2·0	296·7	301·9	26th	289·7	283·2	10th	293·2	−0·6	293·2	90	− 69
		° , N.	° , E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. APRIL—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	809·2	..	..	298·1	301·4	15th	282·6	280·0	13th	290·3	..	*289·9*	17	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	779·7	..	+0·2	296·6	299·5	27th	283·5	280·7	5th	290·1	−1·0	289·8	43	+ 24
718a	Oaxaca	17 4	96 44	1563	846·4	..	..	302·7	305·9	17th	286·6	283·4	11th	294·7	..	*294·1*	51	..
719	Belize	19 29	88 12	1·9	..	..	..	..	303·0	..	..	295·2	..	..	..	..	3	− 64
720	San Salvador	13 44	89 9	657	938·8	1011·7	+1·2	..	308·6	..	..	288·5	..	298·0	+0·4	..	19	− 20
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	+0·4	302·2	303·4	22nd	294·6	291·6	25th	298·4	0·0	*298·0*	102	+ 25
722	Port au Prince	18 34	72 22	37·4	1010·5	1014·8	+1·4	305·7	308·7	15th	295·2	293·5	1st	300·5	+0·7	299·5	131	− 34
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·5	1014·2	−0·1	302·2	304·3	30th	296·7	295·7	23rd	299·5	+0·5	..	23	− 57
724	Grenada (Richmond Hill)	13 3	61 15	155·1	995·0	1012·8	+0·2	302·1	304·7	24th	296·4	294·1	25th	299·2	+0·2	*298·8*	66	+ 6
725	Barbados	13 8	59 36	55·2	..	1014·6	+0·5	302·4	303·7	4, 19, 30	297·7	292·9	9th	300·1	+1·7	*300·0*	12	− 27
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·6	1014·9	+0·4	295·9	299·0	27th	291·0	289·0	1st	293·4	−1·5	*293·1*	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·1	1015·0	+0·9	299·1	303·6	28th	294·0	292·4	14th	296·5	+0·2	*296·5*	0	− 1
733	Bathurst	13 24	16 36	1·5	..	1013·3	+0·7	303·0	310·8	25th	290·4	288·6	4, 19, 30	296·7	−0·6	*297·1*	0	− 1
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	315·8	318·0	23, 27, 30	294·8	294·1	sev. dates	305·3	+1·0	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	312·9	317·0	29th	296·4	291·0	7th	304·7	−0·4	*304·6*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	314·2	317·4	23rd	297·2	291·9	4th	305·7	−0·2	..	0	− 4
738	Kaduna Junction	10 50	7 25	640	..	..	..	307·8	310·2	15, 16, 28	292·4	286·9	5th	300·1	−1·1	..	10	..
739	Maiduguri	11 47	13 11	361	..	..	..	314·1	319·1	22nd	297·7	292·4	15th	305·9	−0·4	..	5	− 5
740	Katagum	12 17	10 22	307	..	..	..	314·3	318·0	18th	295·6	290·2	14th	304·9	−0·2	..	5	− 9
742	El Obeid	13 11	30 14	585	947·6	1012·0	+1·7	311·0	316·2	21st	292·3	288·9	5th	301·7	−0·3	*301·1*	0	− 1
743	Khartoum	15 37	32 33	390	966·5	1009·7	+1·5	311·1	317·9	25th	294·4	289·9	8th	302·7	−0·7	*302·4*	0	0
744	Port Sudan	19 37	37 13	5·9	1010·2	1010·9	+1·6	303·2	305·5	12th	293·6	289·8	10th	298·4	−0·6	*298·4*	0	0
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	303·9	305·2	15th, 16th	297·0	294·1	8th	300·5	−1·2	*299·5*	0	− 11
746	Aden	12 45	45 3	28·7	1009·2	1012·4	+0·8	..	..	..	299·0	296·8	25th	..	..	..	2	− 5
751	Bombay	18 54	72 49	11·3	..	1010·5	+1·9	304·1	305·7	27th	297·6	295·9	10th	300·8	−0·6	*300·3*	2	0
752	Bangalore	12 59	77 38	920	911·7	1006·1	+1·9	307·1	309·8	30th	293·9	290·3	11th	300·5	+0·1	*299·8*	98	+ 63
752a	Kodaikanal	10 14	77 28	2343	772·6	..	+0·4	294·2	297·2	30th	284·5	282·9	6th	289·3	−0·3	*289·7*	88	− 22
753	Madras	13 4	80 14	6·7	..	1010·1	+1·9	305·7	308·7	2nd	298·0	295·3	4th	301·8	−0·8	*301·2*	52	+ 35
754	Waltair	17 45	83 16	68·9	1003·8	1011·6	+2·0	304·4	305·9	27th	297·9	292·8	2nd	301·2	−0·6	..	51	+ 29
755	Port Blair	11 40	92 40	17·7	1010·2	1012·2	+1·4	306·1	308·4	29th	298·4	297·1	13th, 14th	302·3	−0·4	..	38	− 35
756	Rangoon	16 46	95 48	5·5	1011·5	1012·2	+1·8	308·9	311·6	24th	296·6	293·8	7th	302·7	−0·9	..	25	− 15
757	Saigon	10 46	106 42	11·2	1009·1	1010·3	+1·4	308·4	310·4	22nd	297·5	296·0	7th	302·9	−0·2	..	2	− 54
758	Nhatrang	12 16	109 12	3·7	1010·7	1011·2	+1·2	305·8	308·0	25th	295·6	293·1	1st	300·7	0·0	..	1	− 26
759	Bolinao	16 24	119 53	9·7	..	1010·8	+0·9	307·3	309·5	26th	297·5	295·3	6th	302·4	+0·1	301·8	30	+ 3
760	Vigan	17 34	120 23	14·7	..	1011·0	+2·0	305·9	307·2	26th	297·7	295·3	8th	301·8	0·0	301·2	0	− 21
761	Manila	14 34	120 59	14·2	..	1011·2	+1·1	308·0	309·9	26th	296·1	292·2	1st	302·1	−0·1	301·0	53	+ 18
762	Ormoc	11 0	124 36	5·6	..	1010·9	+1·4	305·3	307·6	25th	294·9	291·2	30th	300·1	+0·3	299·6	98	+ 20
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	304·0	305·0	14th, 29th	298·0	296·6	12th	301·0	+0·7	..	32	− 11
		N.	E.															

Between Latitude 10° N. and 0°. APRIL—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·6	307·3	27th	298·7	296·9	30th	302·1	+1·5	*301·1*	211	−223
819	Culebra	9 10	79 40	123·1	..	1011·0	+0·1	306·3	308·6	9th	295·8	294·7	28th	300·9	+1·5	..	16	− 78
819a	Colon	9 23	79 23	3·0	..	1011·5	+0·4	302·4	304·1	9th	298·6	295·8	27th	300·5	+0·7	..	105	− 2
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	172	+ 35
822	Caracas	10 31	66 56	1025	898·5	..	−0·2	..	..	..	..	..	..	292·9	−0·4	..	6	− 36
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·0	..	..	303·7	305·8	18st	294·9	294·1	23rd	299·3	..	..	149	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·6	+2·5	302·2	303·1	24th	297·2	295·2	21st	299·7	0·0	..	107	− 63
826	Paramaribo	5 49	55 9	4	..	1013·4	+0·5	..	..	..	..	..	..	299·6	+2·2	..	301·5	+ 40
826a	Cayenne	4 56	52 21	6	..	..	..	302·6	304·4	15th	296·9	295·4	11th	299·7	+0·1	*300·4*	264	−217
833	Conakry	9 31	13 43	16	1009·4	1011·2	+0·6	306·0	308·0	..	296·7	295·0	..	300·3	0·0	*302·0*	3	− 21
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·0	1011·8	+0·8	306·0	308·7	3rd	294·3	292·7	3rd	300·2	−1·0	..	1	−104
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·5	306·3	18st	296·1	293·6	21st	300·3	−0·2	..	99	+ 14
836	Accra	5 35	W 0 6	18	..	..	..	304·7	307·4	10th	296·2	294·1	11th	300·4	+0·1	..	92	− 13
837	Lagos	6 27	E 3 24	1·8	..	1010·2	+0·4	305·1	306·3	..	297·9	295·2	..	301·5	+0·6	..	115	− 34
838	Zungeru	9 49	6 10	185·3	..	1010·7	+0·9	310·4	314·1	15th	298·2	293·6	26th	304·3	+0·7	..	74	+ 16
838a	Libreville	0 23	9 26	35	..	..	..	304·6	307·2	29th	296·1	294·0	8th, 24th	300·3	+0·4	..	383	+ 42
839	Yola	9 12	12 30	259	..	..	..	311·9	314·1	9, 11, 17	299·7	293·0	26th	305·8	+1·1	..	31	− 22
841	Wau	7 42	28 3	440	961·1	1009·8	+1·1	312·1	314·1	sev. dates	293·3	292·0	sev. dates	302·7	+0·7	*302·4*	40	− 5
842	Malakal (Kodok)	9 53	32 8	387·5	963·8	1006·3	−0·4	313·7	316·6	20th	296·8	293·1	14th	305·2	+1·6	*304·3*	23	− 4
843	Entebbe	0 5	32 29	1171	883·3	..	−0·1	299·8	301·8	14th	290·9	289·1	19th	295·3	+0·8	*294·9*	236	− 21
844	Mongalla	5 11	31 47	439·0	958·2	1006·2	−0·3	309·5	315·0	26th	296·4	293·1	7th	302·7	+1·1	*301·3*	66	− 38
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	71	− 44
851	Cochin	10 0	76 21	2·7	1011·7	1011·9	+1·5	306·7	307·8	23rd	299·3	297·8	6th	302·9	+0·5	..	2	−130
852	Colombo Observatory	6 54	79 53	7·3	1010·0	1010·8	+1·8	305·4	306·4	25th	296·8	294·9	12th	301·2	0·0	..	97	−155
852a	Newera Elija	6 59	80 47	1886	..	..	..	296·1	297·6	17th	280·8	276·9	24th	288·5	−0·4	..	59	− 87
853	Trincomalee	8 34	81 14	30·2	1006·9	1010·3	+2·5	309·1	310·2	28th	298·3	296·3	9th	303·7	+1·1	..	13	− 39
855	Medan	3 35	98 41	23·5	..	1010·7	+0·7	304·6	307·9	24th	295·2	293·3	30th	299·9	..	299·1	68	− 66
856	Kota Radja	5 32	95 20	7·1	..	1011·2	+0·7	..	..	..	..	..	..	..	..	..	132	+ 29
857	Singapore	1 17	103 51	3·0	1009·3	1010·0	+0·2	305·6	307·4	20th	296·4	294·9	9th	301·0	−0·2	..	187	+ 5
858	Penang	5 34	100 20	6·3	1010·4	1010·7	+1·6	304·8	306·6	18th	296·5	295·4	13th	300·7	+0·1	..	338	+144
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Tagbilaran	9 38	123 51	26·2	..	1010·5	+1·3	305·4	307·2	26th	295·8	293·8	2nd	300·6	0·0	300·0	15	−156
861a	Menado	1 30	124 50	3·5	..	1010·0	+0·7	303·4	305·5	26th	295·2	294·1	13th	299·3	..	299·3	34	−172
862	Surigao	9 48	125 29	6	..	1010·8	+1·4	303·0	?304·5	? 6th	295·9	294·0	30th	299·5	−0·1	299·4	227	− 19
863	Yap	9 29	138 8	31·9	..	..	..	305·7	307·1	15th, 17th	297·6	296·4	11th	301·7	..	..	66	− 57
		° , N.	° , E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·9	1010·9	+0·7	307·6	308·0	27, 28, 30	..	..	..	..	−0·2	*301·1*	172	+ 67
906																		
923	Manaos	3 8	59 59	44·9	1003·4	1008·5	+0·2	..	306·0	..	..	295·8	..	300·0	+0·1	..	177	− 29
925	Turyassu	1 25	45 15	15·1	1009·3	1011·0	..	..	305·8	..	..	294·1	..	298·6	..	..	495	..
929	Quixeramobim	5 16	39 15	207·0	988·9	1012·4	+0·8	..	306·2	..	..	294·6	..	299·8	−0·1	*299·7*	165	+ 41
930	Fernando Noronha	3 50	W32 20	93·0	1000·0	1010·7	+0·5	..	301·3	..	..	295·4	..	298·7	−0·2	..	298	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	301·4	304·1	2nd	287·3	280·2	15th	294·3	+1·0	*293·4*	59	−154
944	Nairobi	1 18	36 59	1661	..	..	..	296·8	300·8	11th	286·1	283·6	12th	291·4	−0·3	..	254	+ 24
944*a*	Zanzibar	6 10	39 11	21·9	1011·5	1014·0	+0·3	303·8	305·4	12th	299·3	295·6	28th	301·5	+1·3	..	322	− 30
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	304·7	306·3	10th	299·7	297·4	3rd	302·2	..	..	9	−235
947	Seychelles, Port Office	4 37	55 27	4·6	1010·8	1011·3	+1·1	302·8	303·6	13th, 22nd	298·4	295·7	19th	300·6	−0·2	..	317	+133
957	Padang	0 56	100 22	6·7	..	1011·3	+0·3	303·7	305·0	30th	296·5	295·7	26th	300·1	..	299·3	481	+116
958	Batavia	6 11	106 50	8	1009·8	1010·7	+1·4	304·0	305·2	25th	296·7	295·4	13th	300·3	+0·3	299·7	51	− 70
958*a*	Pontianak	0 1	109 20	2·6	..	1011·3	+2·2	304·4	306·1	16th	296·4	295·1	13th	300·4	..	299·3	364	+ 13
959	Passeroean	7 38	112 55	5·0	..	1010·6	+1·1	304·5	305·8	18th	295·8	293·3	16th	300·1	−0·1	299·7	138	+ 53
960	Kajoemas	7 56	114 9	950	..	..	..	296·8	298·6	26th	290·9	289·7	20th	293·9	..	293·2	299	−112
962	Ambon	3 42	128 10	4·2	..	1010·2	+1·7	303·7	304·9	8th	296·6	295·5	14th	300·1	+0·9	299·6	157	−215
963	Manokwari	1 10	134 20	19·0	..	..	..	302·8	304·3	27th	297·0	296·4	16th	299·9	..	299·5	59	
965	Daru	9 4	143 13	7·6	..	1012·0	+2·1	303·1	..	..	297·6	..	..	300·3	+0·2	..	604	+286
966	Port Moresby	9 29	147 9	39·0	..	1010·3	+0·4	304·2	..	..	297·8	..	..	301·0	+0·3	..	100	+ 19
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1010·0	+1·2	..	..	..	..	..	..	..	..	..	..	− 99
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	+0·1	305·6	307·4	21st	297·8	296·9	5, 17, 26	301·7	+1·0	..	90	−122
970	Ocean Island	0 52	169 35	25·6	1005·7	1008·6	+0·4	303·6	305·3	25th	297·1	295·3	15th	300·3	−0·7	*299·6*	437	+221
		S.	E.															

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1003	Alofi, Niue Island	19 2	169 55	36·6	1009·5	1013·7	−1·2	304·0	306·9	5th	298·4	291·3	25th	299·4	+0·3	..	132	− 56
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	294·7	298·4	17th	289·7	287·2	10th	292·2	+0·6	*292·9*	0	− 4
1022	Arequipa	16 22	71 33	2451	761·8	..	+0·5	293·2	295·9	23rd	282·2	278·7	28th	287·7	+0·3	*287·3*	0	− 4
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	726·8	..	..	298	..	..	282	..	..	290	+2	..	0	− 45
1026	Cuyaba	15 35	56 0	235	992·0	1018·8	+0·4	..	305·5	..	..	289·7	..	300·1	+0·4	..	145	+ 49
1027	Bello Horizonte	19 55	43 56	857	920·4	1016·1	..	299·6	304·0	17th	289·1	285·4	28th	294·3	..	..	47	− 33
1028	Cætite	14 2	42 37	900	914·2	1014·2	−1·2	..	303·7	..	..	288·4	..	294·7	−0·7	*294·5*	30	− 31
1029	Ondina	13 12	38 30	46·6	1009·1	1014·5	..	..	304·0	..	..	294·0	..	298·4	..	..	187	+ 21
1030	Aracaju	10 55	37 4	4·3	1013·0	1013·5	..	..	305·6	..	..	296·5	..	300·5	+0·3	..	86	
1035	St. Helena	15 57	W 5 40	*632	945·8	1017·0	−1·0	294·6	296·9	5, 24, 27	288·1	284·8	24th	291·4	−0·2	*291·2*	138	+ 34
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	859·6	..	+0·1	301·2	306·4	12th	285·9	272·1	22nd	293·5	+2·3	..	8	− 3
1043	Salisbury, Rhodesia	17 48	31 5	1472	858·2	..	−0·2	301·2	305·9	12th	286·9	280·9	28th	294·1	+2·2	..	24	+185
1044	Zomba	15 23	35 18	899	..	1012·1	+0·2	299·5	301·3	1, 5, 6	287·7	284·1	17th	293·6	−0·6	*292·4*	288	..
1045	Tamatave	18 9	49 26	4	..	..	..	..	..	..	..	..	..	..	..	..	..	− 5
1046	Tananarivo	18 55	47 32	1400	866·4	..	+1·6	298·1	300·8	17th	287·7	284·4	1st	292·9	+0·6	*291·9*	54	
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1012·5	+1·3	302·4	303·7	16th	298·0	295·8	28th	300·2	−0·2	..	218	− 16
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·0	1009·6	+1·4	303·3	306·3	..	297·7	296·1	..	300·5	−0·2	..	333	+135
1058																		
1061	Koepang	10 10	123 34	3·3	..	1010·6	+1·5	305·3	308·0	24th	296·1	294·3	15th	300·7	..	300·1	27	− 31
1061*a*	Derby	17 18	123 40	16·2	..	1012·5	+1·2	308·4	312·4	15th	296·0	289·0	22nd	302·2	+0·5	..	9	− 53
1062	Hall's Creek	18 13	127 46	373·6	..	1012·0	−0·3	309·2	311·3	2nd	292·0	284·1	28th	300·6	+2·0	..	10	− 52
1063	Port Darwin	12 28	130 51	29·6	..	1010·3	+1·2	306·6	308·7	9th	298·2	295·1	29th	302·4	+0·4	301·6	56	+ 27
1064	Daly Waters	16 16	133 23	210·6	..	1009·9	−0·6	309·3	310·8	3, 9, 11	295·3	292·4	25th	302·3	+2·4	*301·8*	29	+ 27
1065	Mein	13 13	142 47	121·9	..	1010·0	+0·9	304·2	305·8	2nd, 3rd	295·1	291·6	12th	299·7	+0·5	..	107	− 27
1066	Georgetown, Queensland	18 22	143 32	301·8	..	..	..	305·4	306·9	17th	293·2	289·4	9th	299·3	..	..	8	
1067	Samarai	10 37	150 40	..	..	1009·3	−0·3	..	..	..	296·7	..	..	300·7	+1·0	..	384	+145
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1012·2	1012·7	+0·7	301·6	303·0	3, 14, 19	296·1	293·1	25th	298·8	−0·1	..	523	+256
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

APRIL—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1205	Rarotonga (Avarua)	21 12	159 47	6	1011·0	1011·7	+0·1	300·9	302·2	22nd, 23rd	295·1	289·1	26th, 27th	298·0	+0·2	..	113	− 83
1206																		
1215	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1221	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·7	1015·1	−0·4	290·8	294·0	22nd	282·8	280·4	25th	286·8	−1·0	*288·3*	0	0
1222	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1223	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1224	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1225	Goya	29 9	59 15	64	1009·6	1017·2	0·0	297·9	304·8	7th	289·7	280·0	30th	293·8	+0·1	*293·1*	309	+198
1226	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1227	Curityba	25 25	49 18	908	915·7	1018·2	+0·7	..	301·2	..	..	279·7	..	290·4	+0·6	*290·4*	91	+ 8
1228	Rio de Janeiro	22 54	W43 10	61·4	1009·6	1016·8	+0·2	..	306·3	..	..	291·7	..	..	−0·5	296·1	213	+105
1239	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1240																		
1241	Johannesburg	26 11	28 4	1806	..	..	..	295·1	298·3	10th	284·2	275·7	25th	289·6	+1·3	..	13	− 39
1242	Kimberley	28 42	24 47	1202	883·6	..	−0·7	298·3	303·5	21st	283·7	274·8	25th	291·0	+0·4	290·3	45	+ 9
1242*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1243	Durban	29 51	31 0	80	..	1016·7	−0·1	295·6	298·6	1, 8, 11	284·7	284·7	25th	293·5	..	..	170	+ 86
1244	Lorenzo Marques	25 58	32 36	59	..	1014·0	0·0	302·3	306·9	19th	292·3	287·7	26th	297·3	+0·7	296·7	41	+ 3
1247	Mauritius	20 6	57 33	54·3	1007·7	..	..	301·2	303·2	3rd	294·1	290·2	6th	297·6	+0·2	297·3	72	− 42
1259	Onslow	21 43	114 57	4·3	..	1012·6	+0·7	307·9	313·9	15th	292·9	286·3	29th, 30th	300·4	+0·7	..	0	− 23
1260	Peak Hill	25 38	118 47	588	..	1013·5	+0·2	304·4	311·4	3rd	290·3	283·0	21st	297·4	+1·0	..	34	+ 3
1261	Nullagine	21 53	120 5	386	..	1013·0	+0·2	308·0	312·6	2nd	291·1	278·6	23rd	299·5	+1·3	..	1	− 21
1262	Laverton	28 40	122 23	466	..	1017·6	+0·1	301·2	312·5	4th	286·8	275·9	20th	294·0	+0·3	..	8	− 18
1263	Alice Springs	23 38	133 37	587	..	1013·8	−1·5	304·6	311·9	2nd	287·6	278·1	28th	296·1	+3·0	296·6	0	− 20
1264	William Creek	28 55	136 21	76·2	..	1017·0	−1·3	301·4	310·8	8th	286·8	281·6	21st	294·1	+1·5	*294·1*	6	− 4
1265	Boulia	22 55	139 38	146	..	..	..	..	..	..	..	..	..	..	..	..	5	10
1266	Mitchell	26 32	147 52	336	..	1015·3	−0·6	302·6	309·1	7th	285·9	278·8	25th	294·3	+2·0	..	17	− 20
1267	Rockhampton	23 24	150 30	11·3	..	1015·8	+0·3	303·5	306·1	7th	293·4	289·3	26th	298·5	+1·8	..	22	− 38
1268	Brisbane	27 28	153 2	41·7	..	1016·7	−0·7	302·1	306·5	7th	290·6	286·2	25th	296·3	+2·0	..	11	− 80
1269	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1270	Norfolk Island	29 5	167 53	117	..	..	..	297·6	300·2	1st, 9th	290·6	286·6	23rd	294·1	+0·5	..	37	− 67
		S.	E.															

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	..	..	..	291·7	295·3	5th	287·0	283·9	23rd	289·3	−0·8	*289·5*	114	+ 29
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1011·6	1016·4	+0·5	291·8	297·4	17th	284·1	279·6	30th	287·9	−0·9	287·5	2	− 9
1222	Santiago	33 27	70 42	520	956·0	1016·7	+1·2	295·4	303·5	19th	279·0	274·4	29th	287·2	−0·3	*286·0*	6	− 8
1223	Concepcion	36 50	73 3	15	1015·2	1017·0	..	293·3	300·0	2nd	280·5	276·0	10th, 29th	286·9	..	*286·2*	61	..
1223	Cordoba	31 25	64 12	439	965·2	1016·4	−1·1	295·3	304·8	4th	283·7	272·8	30th	289·8	−0·3	289·1	155	+113
1224	Bahia Blanca	38 45	62 15	20	1011·9	1014·3	+1·7	292·7	303·5	..	284·9	274·6	..	288·8	−0·1	..	253	+199
1225	Buenos Ayres	34 16	58 22	25·2	1012·0	1015·0	−1·4	293·9	300·4	6th	285·9	277·3	30th	289·9	−0·1	*289·7*	363	+284
1226	Rio Grande	32 2	52 9	2	1013·9	1014·1	+0·1	296·5	299·3	25th	290·9	282·6	30th	293·7	+0·8	293·4	168	+ 80
1239	Montevideo	34 55	W56 13	24·9	..	1014·1	−1·3	..	300·2	7th	..	282·8	19th	..	+1·8	291·5	218	+121
1240	Cape Town	33 56	E18 29	12	..	..	..	294·6	303·3	30th	285·4	279·4	12th	290·0	−0·3	..	41	− 10
1241	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1019·3	+0·9	294·7	304·7	11th	284·6	277·1	20th	289·6	−2·5	..	19	− 22
1260	Katanning	33 42	117 35	310	..	1018·4	−0·2	294·2	300·2	12th	282·9	276·6	23rd	288·5	−0·8	..	23	− 7
1261	Coolgardie	30 57	121 10	423	..	1018·2	−0·2	297·9	305·8	12th	284·1	275·2	20th	291·0	−0·4	..	6	− 18
1262	Eucla	31 45	128 58	4·6	..	1016·5	−2·3	296·2	304·7	25th	286·1	279·4	20th	291·1	−0·7	..	8	− 20
1263	Streaky Bay	32 48	134 13	13·1	..	1017·9	−2·0	296·4	301·9	5th	287·1	281·6	12th	291·7	+1·0	..	31	+ 5
1264	Adelaide	34 56	138 35	42·7	..	1016·9	−2·9	295·4	303·5	8th	286·4	282·4	25th	290·9	+0·2	*290·6*	45	− 1
1265	Melbourne	37 49	144 58	35·1	..	1015·6	−3·8	293·2	301·9	9th	283·8	278·3	15th	288·5	+0·2	287·9	44	− 13
1266	Bourke	30 13	145 58	110	..	1017·7	−0·1	302·3	310·5	10th	289·0	284·7	25th	293·1	+2·0	..	39	− 99
1267	Sydney	33 51	151 13	44·5	..	1015·7	−2·7	297·2	301·9	3rd	290·7	284·8	28th	294·3	..	..	120	− 25
1268	Lord Howe Island	31 20	159 0	4·6	..	1018·1	..	298·0	301·1	1st	285·5	281·1	18th	288·9	−0·3	..	107	+ 23
1271	Auckland	36 50	174 50	38·1	..	..	..	292·4	295·8	1st	285·5	281·1	18th	288·3	+0·3	..	80	+ 18
1272	Napier	39 32	176 53	21·3	..	1013·2	−3·7	292·8	299·9	13th	283·7	275·8	18th	288·3	+0·3	..	80	+ 18
		S.	E.															

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	103·6	..	1014·7	..	288·8	293·0	2nd	282·8	278·6	22nd	285·8	+0·7	..	183	+101
1302																		
1321	Isla Huafo	43 34	74 45	140	1003·1	1020·1	+5·3	285·4	288·8	11th	281·6	279·0	27th	283·5	0·0	*283·5*	33	− 70
1322	Punta Galera	40 1	73 44	40	1014·2	1019·1	+3·1	286·6	291·5	11th	281·2	277·8	29th	283·9	−0·8	*284·3*	71	−152
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1009·2	−5·3	289·3	299·3	9th	281·6	275·9	11th	285·4	−0·4	*284·6*	77	+ 29
1366	Launceston	41 27	147 10	10·1	..	1011·0	−4·4	290·8	295·5	9th	280·6	274·6	15th	285·7	0·0	..	98	+ 44
1370	Invercargill	46 25	168 21	5·5	..	..	..	288·3	292·4	30th	278·4	271·6	23rd	283·3	−0·3	..	142	+ 30
1371	Dunedin	45 52	170 31	91	..	1008·4	−6·7	287·9	294·7	5th	280·5	275·8	twice	284·2	+0·3	..	88	− 1
1371*a*	Christchurch	43 32	172 38	7·6	..	1010·1	−6·5	290·6	299·1	1st	280·7	270·8	23rd	285·7	+0·6	..	64	+ 15
1372	Wellington	41 16	174 46	2·4	..	1012·4	−4·7	290·2	294·7	5th	284·6	277·8	24th	287·4	+0·6	..	65	− 34
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1002·3	1009·1	+7·3	283·3	285·9	1st	278·1	276·0	18th	280·7	+0·3	*280·4*	501	+209
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·4	1005·9	+5·2	283·8	288·1	1st	275·9	270·7	22nd	279·9	+0·2	*279·8*	64	− 9
1423	Punta Dungeness	52 24	68 26	5	1005·4	1006·0	+4·9	284·2	288·8	1st	279·2	276·2	28th	281·7	+0·4	*281·3*	3	−28
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	995·3	1001·4	..	281·1	284·0	1st	277·1	271·9	29th	279·1	..	279·2	58	..
1425	Cape Pembroke	51 41	57 42	21	1004·1	1005·9	+5·0	283·2	287·4	12th	276·6	271·9	30th	279·9	+1·0	280·5	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	53	− 6
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	1001·8	+5·3	280·3	286·3	4th	273·6	269·2	14th	277·0	+1·1	*276·6*	148	+ 14
1467	Macquarie Island	54 30	158 57	9·1	..	1001·7	−1·8	279·4	..	..	276·8	..	..	278·1	..	..	..	..
		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	6·7	989·6	990·5	−0·5	274·3	278·8	7th	269·3	265·7	12th	271·8	+2·6	272·5	61	+ 6
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	160	150	150	150	7·4	N 3	Calm 0	SW 4	SW 4	N	NW 2	E 3	NE 1	SW 2
2	160	160	160	160	5·0	ENE 4	NE 3	SW 4	SW 6	NW	Calm 0	ESE 3	E 1	SW 1
3	160	160	150	150	4·3	NE 3	NE 2	NE 4	SW 4	SE	W 3	Calm 0	Calm 0	Calm 0
4	150	150	150	150	3·8	E 4	NE 3	SW 4	SW 4	E	E 2	E 1	E 1	NW 2
5	160	160	150	150	4·5	E 3	NE 3	SW 2	SW 6	Variable	Calm 0	E 2	Calm 0	Calm 0
6	150	150	150	150	6·4	NE 4	E 4	SW 4	W 4	Calm	NW 2	E 1	Calm 0	NW 1
7	150	150	150	135	7·3	NE 4	E 3	W 4	W 4	Calm	Calm 0	E 2	E 1	NE 2
8	135	135	150	135	8·4	E 4	E 2	W 2	SW 4	N	NW 2	E 2	E 1	Calm 0
9	135	135	120	110	6·4	E 4	E 4	W 2	W 4	N	Calm 0	SE 3	SE 2	Calm 0
10	110	100	150	150	6·4	E 4	E 4	W 2	W 4	N	NW 2	SE 3	Calm 0	Calm 0
11	150	150	150	135	7·4	E 3	E 4	W 2	W 4	E	NW 2	SW 1	Calm 0	NE 2
12	150	150	150	135	7·1	E 4	ENE 3	W 2	SW 4	E	E 2	W 4	W 1	N 1
13	135	150	135	135	6·8	NE 4	NE 3	SW 2	SW 4	NW	Calm 0	ESE 1	W 4	NE 2
14	120	135	150	150	7·1	E 2	NE 3	W 6	W 4	Variable	Calm 0	N 3	Calm 0	NE 3
15	135	150	135	150	7·9	NE 4	E 2	W 2	SW 4	N	Calm 0	WSW 1	W 3	Calm 0
16	150	135	150	150	9·0	E 4	NE 4	W 4	SW 4	N	NE 2	WNW 3	W 1	SE 3
17	150	160	135	135	9·9	E 3	E 2	W 4	SW 4	N	NW 2	WNW 4	Calm 0	Calm 0
18	120	135	135	150	12·0	E 2	NE 3	W 2	SW 4	N	Calm 0	NW 2	Calm 0	NE 2
19	135	150	150	160	9·8	E 4	NE 3	W 2	SW 4	NW	Calm 0	N 1	Calm 0	E 3
20	150	150	135	135	6·9	ENE 4	E 3	W 4	SW 4	NW	NW 2	E 1	Calm 0	SE 3
21	135	135	150	150	6·6	E 3	Calm 0	W 2	SW 4	NW	NW 2	N 1	Calm 0	SE 2
22	160	120	120	150	9·7	NNE 5	E 5	Calm 0	SW 4	NW	ESE 1	N 5	Calm 0	SE 3
23	..	..	150	150	(10·3)	E 4	NE 3	Calm 0	SW 4	N	ESE 3	NW 2	NW 2	SW 2
24	150	135	135	135	6·0	E 5	NE 4	W 2	SW 4	E	SE 3	NW 2	NW 1	SE 2
25	135	135	135	135	3·3	E 2	NE 2	Calm 0	SW 4	NE	SE 4	N 1	N 1	NE 2
26	135	135	135	135	1·2	NW 2	Calm 0	W 2	SW 4	SE	SE 2	S 1	Calm 0	NE 2
27	135	135	135	150	3·1	NE 2	NE 4	NE 4	SW 4	N	SE 4	S 2	Calm 0	N 2
28	150	150	150	160	6·5	SE 3	E 2	Calm 0	SW 4	NE	SE 4	SE 1	Calm 0	NE 3
29	160	170	170	170	6·7	SE 4	SE 3	W 4	SW 4	E	SE 4	Calm 0	Calm 0	NE 2
30	150	..	..	..	(6·5)	SE 2	N 2	W 4	SW 6	SE	SE 1	N 2	Calm 0	NE 3
Mean	144	144	145	145	6·8	3·4	2·8	2·7	4·2	..	1·7	1·9	0·7	1·8
Resultant†	145°			..		70° (78)		245° (81)		15° (47)	90° (15)	30° (10)		55° (36)
Normal†	137°			6·3		86° (78)		277° (35)		81° (78)	125° (36)	84° (41)		91° (55)

* Direction and velocity of the South-East Trade Wind at 632 metres. † Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1914.

**Barents Sea.*—"The edge of the ice was encountered some way off Cape Sviatoj trending a little off Kanin Noss: towards the N. the edge extended along the parallel 76° N., an exceptionally northerly position for this month."

**Spitsbergen.*—"Icefiord was covered with ice, but other parts of the coast only partly so."

**Iceland.*—"Except for polar ice driven against Cape North by a northerly gale early in the month and remaining until the 15th, the coasts were free. The polar ice was visible from the mountain on Grimsey during the last two days of the month."

North Atlantic and Labrador.—"At the beginning of the month the ice drift decreased on the Newfoundland Banks, but increased again subsequently. Great masses of ice extended along the coasts of Newfoundland, Gulf of St. Lawrence and Cabot Strait. Belle Isle Strait was full of heavy drift ice. The eastern limit was 44° W., the southern one 40° N. On the 27th the St. Lawrence became navigable."

**Davis Strait.*—"At Cape Farewell the 'Storis' extended from the coast to about 60 miles off shore. Further north the coast was partly ice-bound (with in some parts a belt of landwater 20 miles wide), and partly free."

**Smith Sound.*—"A belt of land ice only a few miles wide extended along Ellesmere Land and Jones Sound; outside this belt only thin ice or open water was observed."

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. MAY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1008·4	1010·8	− 5·4	..	..	..	262·8	253·5	1st	..	−1·6	*267·5*	4	10 −
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1006·0	1007·5	−10·4	..	277·6	14th	263·1	249·0	7th	..	..	267·7	11	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1006·3	1007·1	− 7·2	..	288·0	30th	274·2	266·5	11th	..	+1·5	*277·2*	40	+ 4
142	Mehavn	71 1	27 47	6·4	1006·4	1007·2	− 6·8	..	284·9	30th	274·1	267·4	8th	..	+1·9	*276·8*	58	+15
143	Vardö	70 22	31 8	10·0	1006·6	1007·8	− 7·2	..	282·2	31st	273·9	269·2	8th	..	+1·5	*276·1*	69	+35
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. MAY—ZONE 2.

203	Nome	64 31	165 24	6·1	1008·1	1008·9	− 0·2	277·6	285·2	..	272·0	251·9	..	274·8	−0·1	..	39	+16
204	Candle	65 55	161 57	? 2·4	..	..	..	281·1	287·4	20th, 27th	272·4	..	..	276·7	..	..	15	..
205	Tanana	65 12	152 0	? 74	1002·8	?1011·9	..	285·4	293·0	..	272·7	253·0	..	279·1	−1·2	..	17	− 5
206	Rampart	65 30	150 15	? 122	..	..	..	290·0	296·9	6th	271·6	255·2	2nd	280·8	..	..	13	− 1
207	Valdez	61 6	146 13	3·1	1014·0	1014·4	+ 0·7	284·4	289·7	..	273·8	266·9	..	279·1	+0·2	..	48	−28
208	Eagle	64 46	141 12	250	979·7	1009·7	+ 1·3	289·3	296·9	..	271·7	266·9	..	280·5	+1·6	..	41	+16
209	Dawson	64 4	139 20	328	972·9	1012·2	+ 0·4	288·7	296·9	20th, 21st	273·5	266·9	2nd	281·1	−0·1	..	26	0
210	Carcross	..	..	662	..	..	..	284·7	292·4	23rd	271·6	266·3	3rd	278·1	−0·9	..	19	+ 9
211																		
212	Fort Simpson	61 52	121 35	129	999·0	1014·7	..	..	..	..	275·3	269·1	3rd	282·2	..	..	9	−40
213	Hay River	60 51	115 20	161	996·3	1016·2	..	283·2	293·0	7th, 15th	271·9	265·2	5th	277·6	−0·5	..	35	..
214	Fort Resolution	61 10	113 50	240	..	..	..	282·7	293·0	..	271·4	265·8	..	277·1	..	..	33	..
225	Jacobshavn	69 13	51 2	12·6	1008·7	1010·3	− 5·1	273·9	277·9	31st	264·5	256·7	1st	269·2	−3·3	*269·3*	28	+14
226	Godthaab	64 11	51 44	9·0	1006·6	1007·8	− 4·0	275·2	278·2	8, 25, 26	268·4	265·4	1st	271·8	−2·4	*271·4*	21	−23
229	Angmagsalik	65 37	37 34	31·7	1004·8	1008·8	− 6·6	277·5	284·6	31st	266·7	261·3	14th	272·1	−2·9	*271·4*	38	−40
230																		
231	Stykkisholm	65 5	22 46	11·3	1008·6	1010·1	− 3·9	278·0	284·5	31st	271·8	266·5	8th	274·9	−2·3	*275·0*	36	0
232	Vestmanno	63 26	20 15	7·7	1008·7	1009·6	− 3·2	280·6	284·1	27th	274·5	266·8	8th	277·5	−2·0	*277·4*	101	+19
233	Grimsey	66 33	17 58	22·0	1008·4	1009·3	− 5·7	274·7	280·4	27th	270·2	264·1	7th	272·5	−1·9	*272·8*	2	−13
234	Berufjord	64 40	14 19	18·0	1007·0	1009·2	− 4·8	280·7	287·5	13th	272·6	264·9	8th	276·7	−0·7	*276·5*	35	−34
235	Thorshavn	62 3	6 45	25·7	1010·3	1013·5	− 0·9	281·0	284·0	14th, 29th	275·7	269·7	24th	278·3	−1·5	..	115	+30
236	Lerwick	60 9	W 1 8	18·0	1012·5	1014·7	+ 1·0	282·3	285·2	17th, 29th	277·6	272·4	1st	279·9	−0·4	*279·2*	69	+16
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·2	1014·6	+ 0·4	..	287·7	8th	277·9	272·0	1st	..	−1·8	*280·5*	90	−26
238	Christiansund	63 7	7 45	17·8	1011·4	1013·5	− 0·7	..	286·0	29th	277·2	270·7	1st	..	−1·3	*279·5*	65	+ 3
239	Trondhjem	63 26	10 25	39·5	1009·0	1013·8	− 0·2	..	289·9	8th	275·9	270·8	1st	..	−1·0	*279·8*	36	−15
240	Bodö	67 17	14 24	20·5	1008·0	1010·5	− 3·3	..	287·0	29th	274·7	271·0	10th	..	−1·1	*277·7*	82	+25
241	Haparanda	65 50	24 9	9·2	1009·9	1011·0	− 3·3	282·2	287·5	19th	274·1	270·0	1st, 3rd	278·1	+0·6	*277·6*	54	+25
242	Helsingfors	60 10	24 57	11·7	1013·4	1014·8	+ 0·5	285·4	290·7	18th	278·1	271·4	2nd	281·8	+0·5	*281·8*	73	+28
2420	Kuopio	62 54	27 40	99·7	1001·4	1012·4	− 1·9	285·5	293·2	18th	275·8	269·0	2nd	280·6	+0·5	*280·8*	56	+18
243	Kola	68 53	33 1	6·7	..	1009·5	− 4·8	..	287·6	30th	..	269·1	2nd	..	+1·1	*276·5*	56	+33
244	Petrozavodsk	61 47	34 23	38·9	..	1014·7	+ 0·1	..	299	..	..	270	..	..	+2·3	*282·1*	23	−24
245	Arkhangelsk	64 33	40 32	6·7	..	1012·6	− 1·4	..	290	..	..	265	..	..	−0·4	*277·6*	37	+ 7
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1011·6	− 1·9	..	287	..	..	266	..	..	+0·5	*276·2*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1010·2	− 1·5	..	..	..	..	..	..	..	0·0	*278·6*	..	..
262	Iakoutsk	62 1	129 43	? 108	..	1005·8	− 5·4	..	287·8	25th	..	259·6	13th	..	−0·3	*277·5*	..	..
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1004·3	1007·5	− 7·3	..	280·4	25th	267·6	256·5	9th	271·1	+0·2	..	12	+ 5
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1013·5	1014·0	+5·0	282·1	286·3	23rd	275·9	273·0	4, 9, 17	279·0	+1·9	..	109	−25
305	Kodiak	57 47	152 22	3·7	..	..	..	?283·3	?289·1	14th	276·4	270·2	2nd	?279·8	..	..	130	+ 2
309	Sitka	57 4	135 20	27·4	1006·5	1009·8	−3·9	285·9	294·7	..	277·6	273·0	..	281·7	+0·5	..	106	+10
310	Prince Rupert	54 18	130 18	52	1009·8	1017·3	+2·1	286·7	298·0	21st, 22nd	279·1	276·3	3rd	282·9	+0·5	..	163	+40
311	Barkerville	53 2	121 35	1274	869·6	1015·9	+2·7	285·7	294·1	23rd	272·6	268·0	16th	279·1	−0·8	*279·2*	82	+22
312	Kamloops	50 41	120 29	380	973·6	1014·9	+3·4	294·7	303·3	31st	280·2	274·8	6th	287·5	+0·3	*287·5*	33	+ 9
313	Calgary	51 2	114 2	1033	894·6	1013·9	+2·0	291·5	300·8	31st	275·4	267·4	4th	283·4	+1·0	*283·7*	13	−48
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	65	..
315	Prince Albert	53 10	106 0	437	961·0	1013·5	+0·8	291·7	300·2	24th	276·6	268·3	10th	284·1	+1·7	*284·6*	66	+27
316	Qu'Appelle	50 30	103 47	645	938·3	1014·5	+2·0	291·1	300·8	29th	276·6	266·3	11th	283·8	+0·9	*284·0*	66	− 3
317	Minnedosa	50 15	99 50	515	954·3	1013·5	+0·2	291·8	299·7	16th, 27th	277·1	268·0	12th, 14th	284·5	+1·6	*284·4*	80	+31
318	Berens River	52 18	97 23	216	..	..	..	289·2	298·0	31st	274·8	265·2	9th, 10th	282·0	+2·9	*281·7*	6	−31
318a	York Factory	57 0	92 28	16·8	1015·0	1017·1	+1·2	..	..	..	269·6	259·7	9th	273·7	..	..	37	+12
319	Fort Hope	51 33	87 49	335	..	..	..	288·3	301·9	15th	273·7	262·4	10th	281·0	+1·2	..	59	+22
320	Moose Factory	51 14	80 30	9·1	1015·8	1016·9	+0·7	284·7	300·8	30th	272·9	262·4	1st	278·8	0·0	..	42	−15
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1013·1	1016·2	..	276·2	283·6	4th, 29th	265·5	256·9	2nd	270·9	..	..	44	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	285·8	23rd	..	269·1	1st	276·2	−0·4	..	27	−29
327	Belle Isle	51 23	55 23	132·8	996·9	1013·4	+1·2	274·4	280·2	23rd	270·3	266·3	28th	272·3	−2·1	..	..	..
334	Valencia	51 56	10 15	13·7	1019·5	1021·2	+5·9	286·4	290·8	15th	281·5	276·9	25th	283·9	−0·3	284·0	46	−32
335	Aberdeen	57 10	2 6	26·8	1013·5	1016·8	+2·0	285·8	294·7	18th	278·5	272·4	25th	282·2	+0·2	282·2	68	+12
336	Greenwich	51 28	W o 0	48·5	1013·3	1019·2	+3·8	290·6	301·3	22nd	279·6	276·3	27th	285·1	−0·1	284·7	41	− 7
337	Uccle	50 48	E 4 22	100	1006·4	1018·5	+3·2	289·9	301·2	22nd	279·9	272·8	2nd	284·9	−0·8	284·7	72	+10
338	De Bilt	52 6	5 11	3·0	1017·9	1018·3	+3·3	289·4	300·8	23rd	280·3	273·8	2nd	284·9	−0·2	284·6	43	−15
338a	Hamburg	53 33	9 59	40	1012·0	1016·9	+2·0	287·9	300·0	23rd	280·8	275·0	1st, 2nd	284·3	−0·5	*284·4*	57	+ 4
339	Copenhagen	55 41	12 36	5·0	1015·6	1016·2	+1·1	287·2	292·2	22nd	280·5	275·4	2nd	283·9	+0·5	283·9	22	−17
340	Potsdam	53 23	13 14	84·9	1006·7	1017·0	+1·9	290·1	301·6	23rd	280·1	273·3	2nd	285·1	−0·9	284·7	111	+58
340a	Upsala	59 51	17 38	24·0	1011·2	1014·1	+0·3	288·0	295·3	18th	276·1	268·7	1st	282·1	+0·9	282·4	44	0
341	Warsaw	52 13	21 2	120	..	1017·1	+2·8	..	300	..	..	272	..	..	0·0	*286·4*	39	−10
342	Jurjev	58 23	26 43	74·5	1006·8	1015·9	+1·6	290·3	299·9	26th	278·2	269·7	2nd	284·3	+1·3	284·2	56	+12
343	Petrograd	59 56	30 16	4·8	..	1015·1	+0·9	..	297	..	..	273	..	..	+2·3	*284·0*	47	+ 5
344	Kiev	50 27	30 30	182·9	..	1016·2	+1·5	..	298	..	..	273	..	..	+1·2	*288·7*	29	−19
344a	Moscow	55 46	37 40	156	..	1017·8	+0·4	..	300	..	..	272	..	..	+1·9	*287·0*	..	..
345	Saratov	51 32	46 3	59·9	..	1017·6	+1·7	..	304	..	..	272	..	..	+1·6	*289·5*	66	+31
346	Kazan	55 47	49 8	79·8	1007·8	1017·4	+2·6	..	301	..	..	273	..	..	+1·4	287·2	53	+16
347	Orenburg	51 45	55 6	114·1	..	1019·5	+3·7	..	303	..	..	274	..	..	+1·9	*288·9*	43	+ 7
348	Perm	58 1	56 16	163·0	..	1016·2	+1·7	..	298	..	..	272	..	..	+0·7	*283·4*	76	+25
349	Ekaterinburg	56 50	60 38	288·9	..	1018·2	+2·8	..	296	..	..	270	..	..	+1·0	*284·0*	33	−10
350	Tobolsk	58 12	68 14	108	..	1017·8	+2·7	..	294·6	30th	..	274·8	5th	..	+1·1	*282·7*	23	−16
351	Akmolinsk	51 12	71 23	?347	..	1020·4	+4·3	..	298·5	29th	..	276·6	8th	..	+1·0	*286·5*	59	+34
352	Omsk	54 58	73 23	90	..	1019·4	+3·8	..	299·0	24th	..	276·5	25th	..	+1·9	*285·5*	11	−20
353	Barnaoul	53 20	83 47	162·2	..	1019·4	+2·8	..	299·6	31st	..	274·1	16th	..	+0·5	*284·2*	45	+13
354	Tomsk	56 30	84 58	121·6	..	1017·7	+2·9	..	297·8	31st	..	271·7	10th	..	+1·9	*282·3*	16	−25
355	Minousinsk	53 43	91 41	?245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1013·9	−0·9	..	297·0	30th	..	273·4	10th, 11th	..	+1·6	*281·2*	48	+15
357	Irkutsk	52 16	104 19	467	..	1017·4	+2·4	..	299·2	5th	..	273·5	11th	..	+0·5	*281·8*	17	−16
358	Kirensk	57 47	108 7	?263	..	1012·6	−0·2	..	295·6	31st	..	273·2	1st	..	+0·2	*280·3*	43	+16
359	Tchita	52 2	113 30	664	..	1016·5	+6·1	..	295·8	8th	..	272·4	11th	..	+1·0	*281·8*	18	−10
360	Blagoveshchensk Priisk	58 10	114 17	?490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1009·6	−1·2	..	296·8	26th	..	274·9	8th	..	+1·3	*282·4*	27	− 1
361	Tygan Ourkan	54 5	124 46	?359	963·1	1005·8	..	..	294·8	31st	271·8	265·3	10th	..	..	*280·3*	50	..
362	Blagoveshchensk	50 15	127 31	133·6	989·9	1005·9	−0·5	..	298·8	31st	277·4	272·1	7th	..	+1·6	*284·4*	15	−27
363	Paikanskii Sklad	50 11	130 7	?145	987·5	1005·0	..	..	300·0	31st	273·9	267·3	2nd	..	..	*282·1*	51	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1003·2	1005·8	−3·6	..	292·2	31st	272·7	266·0	2nd	..	+0·9	*277·3*	38	+ 4
366	Okhotsk	59 21	143 17	6·0	1006·7	1007·5	−5·7	..	279·9	28th	269·2	262·6	9th	..	−2·2	*272·1*	44	+22
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	994·4	1005·2	−2·8	..	291·2	29th	273·2	270·4	3rd	275·9	+0·2	..	39	−25
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·6	+1·2	290·9	300·4	21st	281·7	278·6	1st	286·3	+1·9	285·7	5	− 28
412	Portland, Oregon	45 32	122 41	46·6	1011·1	1016·6	−0·3	295·0	303·6	13th	283·3	277·4	4th	289·2	+2·1	*288·9*	31	− 30
413	Macleod	49 44	113 24	954	..	..	..	291·9	298·0	15th	276·1	268·0	7th	284·0	+1·1	*284·2*	76	+ 22
414	Helena	46 34	112 4	1253	874·4	1015·9	+2·9	291·2	301·9	31st	278·0	273·0	7th	284·6	+0·1	*284·2*	58	+ 2
414a	Salt Lake City	40 46	111 54	1329	866·2	1012·5	+1·5	296·1	303·0	30th	283·7	275·8	1st	289·9	+2·2	*289·8*	23	− 29
415	Cheyenne	41 8	104 48	1856	815·4	1015·2	+4·4	289·8	297·4	30th	277·4	270·2	5th	283·6	−0·2	*283·4*	53	− 9
416	North Platte	41 8	100 45	859	918·9	1017·6	+5·2	295·1	305·2	26th	281·8	273·0	8th	288·5	+0·1	*288·1*	54	− 19
416a	Bismarck	46 47	100 38	510·6	957·1	1017·6	+4·0	293·4	303·6	30th	278·8	270·2	12th	286·1	−0·1	*285·8*	92	+ 30
417	Winnipeg	49 53	97 7	231·6	987·5	1015·6	+1·4	293·0	300·8	30th	278·8	267·5	11th	285·9	+2·0	*285·4*	42	− 15
418	Duluth	46 47	92 6	345·1	976·1	1017·6	+2·9	290·6	302·4	25th	279·1	271·3	11th	284·9	+4·0	*285·2*	118	+ 38
419	Port Arthur	48 27	89 12	196·3	993·2	1017·3	+2·2	291·7	304·1	26th	276·9	270·8	11th	284·3	+3·3	*284·1*	34	− 18
420	Chicago	41 53	87 37	250·9	989·7	1019·6	+4·9	294·3	306·3	26th	285·2	277·4	12th	289·8	+3·0	*289·3*	133	+ 40
421	Toronto	43 40	79 24	115·5	1004·7	1018·6	+3·7	293·9	303·6	21st	281·6	274·6	1st	287·7	+3·2	287·4	38	− 38
422	New York (Central Park)	40 46	73 58	29·6	1013·9	1017·4	+1·7	296·6	308·0	27th	285·5	277·4	1st	291·1	+1·8	290·8	60	− 22
423	St. John, N.B.	45 17	66 4	? 22	1013·5	1016·6	+2·8	286·1	298·7	27th	277·6	270·5	1st	281·8	+0·1	*281·4*	15	− 79
424	S. W. Point, Anticosti	49 24	63 35	9·1	1012·2	1013·5	+1·5	281·1	292·4	29th	273·3	266·9	1st	277·2	+0·3	..	113	+ 62
425	Sable Island (Main Station)	43 57	60 6	7·6	1018·3	1018·9	+3·2	281·6	286·9	21st	276·0	264·7	3rd	278·8	−0·9	..	135	+ 46
426	St. Johns, Newfoundland	47 34	52 42	38·1	1010·5	1015·2	+2·2	283·4	296·9	22nd	275·9	270·8	14th	279·7	+0·7	..	87	− 3
435	Madrid	40 24	3 41	655·4	942·4	1017·9	+3·3	296·8	302·7	22nd	280·1	273·2	10th, 27th	288·5	−0·4	288·5	30	− 13
436	Nantes	47 15	W 1 34	41·4	1015·4	1020·4	+4·4	290·8	303·0	22nd	281·3	277·0	13th, 26th	286·1	−0·3	286·2	26	− 30
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·1	1019·2	+3·7	291·5	301·9	22nd	280·7	275·8	13th	286·1	−0·1	285·9	39	− 12
438	Marseilles	43 18	5 23	75	1006·5	1015·5	+2·1	293·7	302·0	22nd	?282·7	?278·7	14th	?288·2	−1·3	287·8	81	+ 29
438a	Zürich	47 23	8 33	493·2	960·1	1018·5	+2·8	289·5	301·5	22nd	279·9	273·6	3rd	284·7	−1·8	284·0	191	+ 81
439	Rome	41 54	12 28	50·6	1009·3	1015·2	+1·1	295·1	301·4	22nd	286·1	281·9	15th	290·6	−0·1	*290·4*	103	+ 45
440	Vienna	48 15	16 22	202·5	991·8	1016·4	+2·6	289·9	296·3	27th	282·6	273·7	3rd	286·3	−1·0	286·5	80	+ 10
440q	Buda-Pesth	47 30	19 2	129	1000·8	1016·2	+2·5	294·1	300·8	27th	282·7	274·5	4th	288·4	−0·4	288·5	122	+ 48
441	Bucharest	44 25	26 6	82	1005·7	1015·4	+1·9	296·1	303·3	11th	282·7	275·0	4th	289·4	−0·8	289·1	71	+ 10
443	Odessa (University)	46 29	30 44	65	..	1016·4	+2·0	..	297	..	..	276	..	..	−0·6	*287·9*	7	− 24
444	Kharkov (University)	50 0	36 14	140	..	1017·4	+1·5	..	299	..	..	274	..	..	+1·2	*288·7*	50	+ 6
444a	Novorossiisk	44 44	37 49	37	..	1016·6	+1·3	..	295	..	..	277	..	..	0·0	*288·3*	..	..
445	Tiflis	41 43	44 48	409	..	1017·5	+1·6	..	299	..	..	277	..	..	−1·0	*289·5*	39	− 40
446	Astrakhan	46 21	48 2	−14	..	1017·8	+2·0	..	303	..	..	276	..	..	+0·3	*291·2*	9	− 9
447	Fort Alexandrovsk	44 31	50 16	24	..	1016·2	+0·2	..	303·5	18th	..	282·5	7th	..	+0·4	*290·7*	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1016·0	+0·9	..	306	..	..	283	..	..	−0·1	*293·3*	..	..
449	Tachkent	41 20	69 18	478·3	..	1016·4	+3·9	..	307·0	28th	..	281·8	9th	..	−0·7	*292·4*	47	+ 14
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1004·9	1010·1	+1·3	299·1	305·6	17th	283·4	273·4	2nd	291·3	+3·0	291·4	32	− 29
462	Joshin	40 40	129 11	4·0	1009·6	1010·1	+0·6	291·8	303·1	24th	280·7	276·4	10th	286·3	+1·4	285·5	9	− 52
463	Vladivostok	43 7	131 55	26·8	1007·1	1010·3	−1·0	..	294·0	20th	279·4	272·8	3rd	..	+1·0	*283·6*	21	− 27
464																		
465	Ochiai	47 20	142 44	6·6	1007·4	1008·2	−2·7	286·8	299·0	27th	274·5	269·0	8th	280·7	+2·2	280·6	32	− 29
466	Nemuro	43 20 N.	145 35 E.	26·7	1009·1	1012·4	+1·0	285·0	291·4	5th, 21st	276·5	273·0	9th	280·7	+0·8	280·4	31	− 62

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·1	1015·9	0·0	289·3	294·7	11th	283·6	281·9	6th	286·4	−0·3	*285·8*	9	− 11
512	San Luis Obispo	35 18	120 39	61·3	1009·8	1017·3	+1·3	292·5	299·1	11th	282·4	278·0	2nd	287·4	+0·1	*286·7*	2	− 12
513	Modena	37 48	113 54	1670	832·8	1011·8	+1·8	295·2	301·9	29th	278·2	272·4	1st	286·7	+2·0	*286·3*	22	+ 1
514	San Diego	32 43	117 10	26·5	1012·5	1015·6	+1·3	291·0	293·6	25th	286·3	283·0	1st	288·7	−0·8	*288·2*	2	− 6
515	Santa Fé	35 41	105 57	2138	789·1	1012·5	+3·7	292·9	298·6	9th	280·1	273·0	2nd	286·5	−0·4	*286·3*	58	+ 31
516	Denver	39 45	105 0	1613	838·5	1015·2	+4·6	293·6	301·9	10th	280·6	273·0	12th	287·1	−0·1	*286·6*	90	+ 25
517	Abilene	32 23	99 40	529·6	956·0	1016·6	+5·2	298·4	304·1	10th	288·8	281·3	13th	293·6	−1·8	*293·4*	191	+ 97
518	Saint Louis	38 38	90 12	173·1	999·0	1019·3	+5·0	299·4	306·3	27th	288·2	278·0	1st	293·8	+1·3	*293·4*	18	− 91
519	Mobile	30 41	88 2	17·4	1017·6	1019·6	+4·3	301·7	306·3	7th	291·8	284·7	9th	296·7	+0·2	*296·3*	6	−103
520	Nashville	36 10	86 47	166·4	1001·3	1021·0	+5·4	299·6	308·0	29th	286·7	280·2	1st	293·1	+0·2	*293·6*	76	− 18
521	Charleston	32 47	79 56	14·6	1018·7	1020·3	+4·1	299·6	307·4	29th	291·4	285·8	9th	295·5	−0·1	*295·4*	21	− 62
522	Washington	38 54	77 3	34·1	1014·6	1018·6	+2·9	298·8	308·0	27th	286·0	278·0	1st	292·4	+1·5	*292·4*	44	− 48
523																		
524	Bermuda	32 18	64 46	46·0	1015·8	1021·3	+3·8	295·4	297·6	12th, 29th	289·3	285·2	3rd	292·3	−1·7	..	131	+ 20
531	Horta	38 32	28 38	28	1024·3	1027·1	+6·4	291·3	294·5	23rd	287·8	285·3	13th	289·5	−1·0	*289·0*	34	− 42
532	Ponta Delgada	37 44	25 40	17	1025·0	1026·2	+5·5	291·8	293·3	5th	287·9	285·0	13th	289·8	−0·1	*288·6*	76	0
533	Madeira (Funchal)	32 37	16 54	25	1019·6	1022·6	+3·8	293·3	295·0	22nd	288·2	286·4	13th, 15th	290·8	0·0	*290·9*	9	− 17
535	Lisbon	38 43	9 9	95	1008·1	1019·5	+3·7	294·3	301·8	21st	286·4	283·2	11th	290·4	+0·6	*289·9*	5	− 46
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6 N.	5 21 W.	16·2	1016·9	1018·7	+3·6	295·1	300·8	7th	287·7	284·1	10th	291·4	−0·1	*291·2*	1	− 44
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	977·1	1017·4	+2·2	292·6	308·0	8th	286·3	282·3	11th	289·5	+0·3	289·2	95	+ 49
538	Palma	39 34	2 38	23	1015·0	1017·7	+2·6	295·2	302·4	21st	287·1	284·0	10th, 12th	291·1	0·0	..	116	+ 76
538a	Tunis	36 48	10 10	33	..	1016·6	+2·3	298·1	307·4	9th	287·9	283·6	12th	293·0	+0·7	*292·6*	22	— 1
539	Malta	35 54	14 31	58·8	..	1017·0	+1·5	294·2	298·6	24th	289·7	286·6	13th	291·9	+0·5	..	1	— 9
540	Riposto	37 41	15 14	14·2	..	1017·3	+2·2	295·0	298·6	21st, 22nd	289·4	287·3	9th	292·2	+0·7	*291·8*	5	— 18
541	Athens	37 58	23 43	107·1	1003·3	1016·0	+2·6	295·9	300·5	19th	287·3	282·5	8th	291·6	−1·1	291·5	17	— 4
542	Alexandria	31 9	29 54	32·0	1013·1	1016·8	+3·0	299·2	313·4	31st	290·2	287·9	1st, 7th	294·7	−0·4	*293·4*	0	— 1
543	Cairo (Helwan)	29 52	31 20	115·6	1002·0	1015·5	+2·3	305·7	317·7	31st	290·1	286·2	1st	297·9	+0·2	*297·0*	0	— 2
544	Nicosia	35 11	33 22	152	..	1013·8	+1·5	302·3	308·6	31st	284·0	278·0	2nd	293·1	−0·7	..	14	— 16
544a	Beirut	33 54	35 28	52·4	..	..	..	297·1	304·1	31st	290·4	287·1	1st	293·7	−0·6	..	0	— 17
545	Baghdad	33 21	44 28	38·7	1007·1	1011·7	+1·9	307·6	312·4	18th	?292·1	281·1	1st	?299·8	−0·4	..	4	— 2
546	Lenkoran	38 46	48 52	−19	..	1017·0	+2·0	..	299	..	..	278	..	..	−1·1	*290·1*	21	— 12
547	Busrah	30 31	47 53	7·6	1009·5	1010·5	0·0	306·8	316·6	25th	296·2	288·1	2nd, 3rd	301·5	−0·7	..	0	— 9
548	Meshed	36 16	59 35	946	906·6	1010·8	..	299·6	311·2	27th	283·5	275·8	10th	291·5	−0·9	..	20	— 15
549	Quetta	30 11	67 3	1677	832·9	..	+0·9	303·2	309·4	31st	284·0	277·3	11th	293·6	+0·8	..	14	+ 4
550																		
551	Lahore	31 34	74 20	214·0	980·6	1002·0	+0·7	313·4	320·6	29th	297·1	288·0	12th	305·3	+0·4	*305·1*	29	+ 12
551a	Simla	31 7	77 8	2205	781·6	..	+1·3	294·4	299·3	29th	287·5	277·5	11th	290·9	−0·8	..	109	+ 41
552	Leh	34 10	77 42	3503	668·8	..	+0·7	292·1	298·3	30th	275·9	270·7	13th	284·0	+0·9	..	3	— 2
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	32	— 6
559	Hang Kow	30 35	114 17	37·0	1008·6	1012·9	+1·4	298·0	304·5	18th	290·3	283·9	3rd	294·1	−1·1	*293·7*	115	— 8
560	Tiensin	39 10	117 10	5·0	1016·7	1011·3	+1·7	301·0	307·9	28th	287·4	283·0	31st	294·2	+1·3	*293·8*	45	+ 16
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1012·6	+1·3	297·0	303·2	27th	287·0	278·4	4th	292·0	−0·6	291·0	69	— 21
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1013·1	+1·5	294·0	301·6	11th	285·9	282·5	2nd, 4th	289·9	+0·9	289·3	62	— 15
562a	Nagasaki	32 44	129 52	133·0	997·3	1013·0	+1·9	295·4	299·9	18th	288·2	284·5	4th	291·8	+0·5	291·4	297	+101
563	Kioto	35 1	135 44	42·9	1009·0	1014·1	+2·3	296·9	302·2	18th	284·3	275·1	4th	290·6	+1·2	290·7	211	+ 66
564	Tokio	35 41	139 45	21·3	1011·8	1014·3	+2·9	295·3	300·1	12th	286·9	278·4	4th	291·1	+1·3	290·8	194	+ 42
565	Miyako	39 38	141 59	30·4	1009·5	1013·1	+1·5	293·6	301·2	7th	281·5	275·9	9th	287·5	+1·4	286·8	56	+ 68
566																		
		N.	E.															

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·8	1016·1	−1·8	299·2	301·3	..	293·8	291·9	..	296·5	−0·3	..	23	— 17
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1016·2	1018·3	+4·2	298·6	300·8	7th	294·7	289·7	14th	296·7	−0·6	*296·5*	192	+101
618	New Orleans	29 58	90 4	15·5	1017·2	1018·9	+4·0	301·5	306·3	31st	292·8	288·0	9th	297·2	+0·4	*297·1*	5	−109
619	Havana	23 8	82 22	24·3	..	1017·1	+2·7	302·3	304·0	5th	295·2	292·0	1st	298·7	+0·3	*298·7*	181	+ 66
620	Key West	24 33	81 48	6·7	1016·6	1017·3	+2·3	301·8	303·0	14th	296·3	293·6	18th	299·1	−0·2	*298·9*	87	— 23
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·6	+3·4	301·2	304·4	9th, 12th	295·7	293·8	1st	298·4	0·0	..	121	
622																		
633	La Laguna	28 28	16 20	547	956·5	1019·9	+1·4	293·2	300·3	5th	285·1	280·1	14th	289·1	−0·2	..	5	— 13
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	292·3	300·5	23rd, 24th	277·1	267·5	16th	284·7	+1·2	..	5	+ 3
637	Insalah	27 8	E 2 27	280	..	..	..	317·3	327·6	30th	294·8	291·2	14th	306·1	+3·3	*306·3*	..	
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	310·8	318·8	31st	292·4	287·0	7th	301·6	+0·6	*301·6*	..	..
643	Tor	28 13	33 37	1·9	1010·7	1011·0	+1·2	302·9	312·6	17th	292·5	285·7	2nd	297·7	−0·4	*296·8*	..	..
644	Aswan	24 2	32 53	99·6	999·9	1011·2	0·0	313·2	319·5	21st	294·8	289·8	1st	304·0	+0·7	*303·0*	..	..
647	Bushire	28 59	50 53	4·3	1008·8	1009·4	+1·5	304·3	314·4	23rd	297·3	290·6	3rd	300·8	−0·1	..	0	— 1
648	Jask	25 44	57 47	4·0	1005·7	1006·2	+1·5	307·5	315·4	26th	299·2	296·8	18th	303·3	+0·7	..	0	0
649	Kurrachee	24 53	66 57	4·0	1006·3	1006·8	+0·4	304·5	308·6	6th	299·0	297·7	22nd, 24th	301·7	−1·4	..	0	— 3
650	Hyderabad, Sind	25 24	68 18	29·3	1001·2	1004·5	+0·5	316·4	321·3	3rd	299·3	297·7	16th	307·9	+1·2	..	1	— 3
651	Jaipur	26 56	75 52	436·5	956·6	1000·3	−0·3	316·1	320·9	28th	300·2	293·6	14th	308·2	+1·6	*307·7*	5	— 6
652	Nagpur	21 8	79 5	310·2	971·2	1004·8	−0·1	315·2	320·0	29th	300·6	295·8	8th	307·9	−0·4	..	13	— 11
653	Allahabad	25 25	81 51	94·1	994·5	1002·7	+1·3	313·2	317·7	23rd	?299·2	295·5	9th	?306·4	−0·7	*305·8*	48	+ 41
654	Calcutta	22 36	88 23	6·4	..	1005·0	+1·5	306·7	308·8	4th	298·6	295·1	18th	302·6	−0·4	*302·4*	213	+ 67
655	Gauhati	26 8	91 41	59·7	1002·1	1008·8	+1·1	304·3	308·3	26th	296·2	293·6	18th	300·3	+0·7	..	168	— 81
655a	Cherrapunji	25 15	91 42	1314	867·5	..	+0·5	295·2	299·1	25th	289·5	285·9	7th	292·3	+0·3	..	1131	— 79
656	Shillong	25 33	91 48	1500	848·8	..	+0·9	296·0	299·1	25th	288·0	285·4	8th	292·0	−0·2	..	326	+ 55
656a	Akyab	20 11	92 56	6·1	1008·1	1008·8	+1·2	304·7	308·1	14th	297·9	295·8	30th	301·3	−0·9	..	709	+414
657	Phu Lien	20 48	106 37	115·6	995·2	1008·4	+0·4	305·3	314·5	18th	297·1	292·2	1st	301·2	+1·5	300·1	202	— 11
658	Moncay	21 31	107 51	9	1007·7	1008·7	+0·9	303·8	307·6	21st	296·1	288·9	3rd	299·9	+0·3	*299·0*	223	— 45
659																		
660	Hong Kong	22 18	114 10	33·2	1006·5	1010·3	+0·9	301·2	305·7	21st	297·1	292·4	3rd	299·2	+0·9	298·8	321	+ 24
661	Taihoku, Formosa	25 2	121 31	9·3	1010·5	1011·5	+1·1	301·4	307·2	14th	293·7	289·7	3rd	297·6	+0·1	297·0	197	— 32
662	Naha	26 13	127 41	10·5	1011·0	1012·2	+2·2	300·7	303·4	14th	294·0	289·0	8th	297·3	+1·0	297·1	332	+ 78
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	298·0	301·0	4th	285·0	282·6	3rd	291·5	..	*291·4*	58	..
716	Morelia	19 42	101 0	1933	810·8	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	80	+ 1
718	Mexico	19 26	99 8	2259	781·2	..	+1·7	295·5	300·1	3rd	285·5	284·0	8th	290·5	−1·2	289·6	164	+118
718a	Oaxaca	17 4	96 44	1563	847·2	..	..	301·5	305·6	3rd	288·6	287·4	4th, 19th	295·1	..	*294·4*	70	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·6	..	..	297·4	..	..	..	..	74	— 72
720	San Salvador	13 44	89 9	657	938·5	1011·3	+0·8	..	307·4	..	..	290·2	..	298·6	+1·3	..	256	+ 89
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·0	+1·4	303·0	304·4	10th	295·2	293·9	3rd	299·1	−0·1	*298·7*	250	+101
722	Port au Prince	18 34	72 22	37·4	1010·7	1015·0	+2·1	305·9	308·2	18th	295·7	293·5	1st, 27th	300·8	+0·7	300·0	138	−106
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·6	1014·3	+0·4	303·0	304·0	1st	297·3	295·1	27th	300·1	0·0	..	216	+ 96
724	Grenada (Richmond Hill)	12 5	61 46	155·1	995·7	1013·5	+1·0	302·4	304·1	4th	296·9	295·2	21st	299·7	+0·3	*299·3*	126	+ 8
725	Barbados	13 8	59 36	55·2	..	1015·1	+1·2	303·1	304·4	2nd	298·6	295·2	8th	300·8	+1·5	*300·7*	18	— 53
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·3	1015·6	+1·0	297·2	299·0	8th, 21st	290·9	288·0	20th	294·0	−1·5	*294·9*	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·5	1015·4	+0·9	300·7	306·0	7th	294·7	293·4	4th	297·7	+0·7	*297·7*	0	0
733	Bathurst	13 24	16 36	1·5	..	..	..	303·2	308·0	8th	292·1	289·7	1st	297·7	0·0	*298·1*	0	— 5
734	M'Carthy Island	13 42	14 46	1·1	..	1013·2	+0·5	316·9	318·6	6th, 19th	294·6	293·0	18th	305·7	+0·8	..	0	— 11
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	299·8	295·0	8th	306·1	..	..	39	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	316·5	319·8	23rd	301·2	296·9	3rd	308·9	+1·2	*308·8*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	314·2	316·9	5, 20, 21	299·2	294·7	7th	306·7	+1·4	..	30	— 20
738	Kaduna Junction	10 50	7 25	640	..	..	..	306·6	310·2	10th	294·8	291·9	1st	300·7	+1·3	..	83	—103
739	Maiduguri	11 47	13 11	361	..	..	..	315·7	318·6	21st	298·1	294·7	4th	306·9	+0·8	..	5	— 23
740	Katagum	12 17	10 22	30·7	..	..	..	316·1	318·6	6, 11, 21	296·8	291·9	5th	306·5	+1·3	..	16	— 20
742	El Obeid	13 11	30 14	585	947·0	1011·0	+0·8	312·6	316·2	18th	294·9	290·7	8th	303·7	0·0	*302·8*	5	— 5
743	Khartoum	15 37	32 33	390	965·7	1008·3	+0·4	314·7	318·5	18, 20, 22	298·9	293·6	1st	306·8	+0·1	*305·9*	0	— 3
744	Port Sudan	19 37	37 13	5·9	1008·3	1009·0	+1·2	307·5	313·5	31st	296·5	293·3	1st	302·0	−0·1	*301·8*	0	— 1
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	307·0	311·3	11th, 12th	299·9	298·0	17th	303·5	−1·0	*302·8*	34	+ 25
746	Aden	12 45	45 3	28·7	1006·8	1010·0	+0·7	..	..	..	300·9	298·1	6th	..	..	..	0	— 3
751	Bombay	18 54	72 49	11·3	..	1008·0	+0·3	306·3	307·1	16th	300·7	299·8	2nd	303·6	+0·8	*302·9*	0	— 18
752	Bangalore	12 59	77 38	920	909·9	1004·2	+1·1	307·0	309·8	2nd	294·3	291·2	6th	300·7	+0·8	*299·6*	83	— 27
752a	Kodaikanal	10 14	77 28	2343	772·6	..	+1·2	294·0	296·8	24th	285·6	284·1	20th	289·8	0·0	*289·8*	286	+131
753	Madras	13 4	80 14	6·7	..	1005·6	+0·2	310·6	313·7	14th	301·0	298·8	6th	305·8	+0·6	*305·3*	0	— 49
754	Waltair	17 45	83 16	68·9	999·0	1006·7	+0·7	305·6	309·7	3rd	299·6	295·7	16th	302·6	−0·6	..	63	+ 4
755	Port Blair	11 40	92 40	17·7	1007·2	1009·1	+0·1	304·3	307·2	1st, 3rd	298·9	296·2	25th	301·6	−0·1	..	299	—130
756	Rangoon	16 46	95 48	5·5	1009·4	1010·0	+1·7	306·7	311·4	1st	298·2	296·9	4th	302·4	+0·2	..	204	—107
757	Saigon	10 46	106 42	11·2	1006·9	1008·1	+0·2	307·9	311·2	14th	297·9	296·0	23, 24, 25	302·9	+0·8	..	154	— 69
758	Nhatrang	12 16	109 12	3·7	1007·9	1008·4	+0·6	306·5	308·5	18th	296·8	294·7	25th	301·7	0·0	..	80	+ 16
759	Bolinao	16 24	119 53	9·7	..	1008·5	+0·2	307·3	309·4	13th	298·1	296·0	5th	302·7	+0·4	302·2	229	+ 50
760	Vigan	17 34	120 23	14·7	..	1008·6	0·0	306·8	308·2	19th	298·7	296·2	6th	302·7	+0·5	302·2	79	— 79
761	Manila	14 34	120 59	14·2	..	1008·8	+0·1	308·7	310·7	15th	296·9	294·4	2nd	302·8	+0·1	301·5	84	— 21
762	Ormoc	11 0	124 36	5·6	..	1008·8	+0·1	305·3	307·7	4th	296·1	293·6	2nd	300·7	+0·8	300·5	105	+ 17
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	303·8	305·0	9th	298·3	?296·0	? 28th	301·1	+0·3	..	78	— 33
		N.	E.															

Between Latitude 10° N. and 0°.

MAY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·3	307·4	28th	298·5	296·6	9th	301·9	+1·2	*300·9*	441	+ 68
819	Culebra	9 10	79 40	123·1	..	1010·2	−0·1	304·7	307·4	19th	296·3	294·7	3rd	300·5	+0·9	..	337	+ 54
819a	Colon	9 23	79 23	3·0	..	1010·6	+0·1	303·0	304·1	21st	298·6	295·2	7th	300·8	+1·0	..	451	+128
820	Bogota	4 43	73 12	..	898·6	..	−0·2	..	..	..	..	..	..	293·2	−0·9	..	81	+ 10
822	Caracas	10 31	66 56	1025	986·5	..	..	302·3	304·2	17th	294·8	293·9	18th	298·6	..	..	275	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	1014·7	+2·4	301·4	303·0	9th, 31st	297·0	295·8	28th	299·2	−0·5	..	467	+180
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·5	+1·5	..	..	..	..	..	..	299·1	−0·4	..	506	+190
826	Paramaribo	5 49	55 9	4	..	..	..	302·8	304·6	7th	296·2	294·0	24th	299·5	0·0	*300·4*	609	+ 52
826a	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·2	1012·9	+1·2	305·9	308·0	13th	293·6	289·2	5th	299·7	−1·0	..	178	—108
835	Cape Coast Castle	5 5	1 13	..	..	..	..	303·5	306·9	11th	296·1	285·2	30th	299·8	−0·3	..	186	— 4
836	Accra	5 35	W 0 6	18	..	..	..	305·1	306·9	11th	295·3	293·6	30th	300·2	+0·5	..	103	— 43
837	Lagos	6 27	E 3 24	1·8	..	1012·2	+1·2	304·1	305·8	..	298·3	295·2	..	301·2	+0·9	..	306	+ 43
838	Zungeru	9 49	6 10	185·3	..	1012·4	+1·2	308·1	311·9	11th	297·0	293·6	25th	302·5	+0·7	..	79	— 44
838a	Libreville	0 23	9 26	35	..	..	..	303·6	306·8	5th	296·1	294·0	1st	299·9	+0·3	..	27	—209
839	Yola	9 12	12 30	259	..	..	..	310·2	314·1	10th	298·4	293·6	31st	304·3	+1·8	..	91	+ 22
841	Wau	7 42	28 3	440	960·8	1009·5	−0·3	311·8	315·0	10th	293·6	292·0	20th	302·7	+1·8	*302·1*	83	— 50
842	Malakal (Kodok)	9 53	32 8	387·5	966·1	1008·7	+0·5	310·2	314·9	2nd	296·9	293·1	27th	303·6	+1·2	*302·0*	42	— 24
843	Entebbe	0 5	32 29	1171	885·2	..	+0·9	298·6	300·2	31st	290·7	289·6	9th	294·6	+0·2	*294·3*	196	— 12
844	Mongalla	5 11	31 47	439·0	959·5	1008·1	−0·2	306·0	311·0	22nd, 23rd	294·8	292·6	12th	300·4	+0·2	*299·2*	130	— 2
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	116	— 16
851	Cochin	10 0	76 21	2·7	1010·2	1010·4	+0·4	305·4	307·7	1st	298·8	296·1	9th	302·1	+0·4	..	298	+ 9
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	+1·2	304·3	306·4	4th	298·4	295·2	3rd	301·3	+0·1	..	364	+ 53
852a	Newera Elija	6 59	80 47	1886	..	..	..	295·9	298·1	13th	284·7	281·2	25th	290·3	+0·8	..	83	— 89
853	Trincomalee	8 34	81 14	30·2	1003·9	1007·3	+1·5	308·3	310·2	5th	298·9	296·2	10th	303·6	+0·5	..	45	— 17
855	Medan	3 35	98 41	23·5	..	1009·3	−0·3	305·1	307·3	13th	295·8	293·8	15th	300·5	..	299·8	57	—123
856	Kota Radja	5 32	95 20	7·1	..	1009·8	+0·1	..	..	..	..	..	..	..	..	..	92	— 63
857	Penang	5 34	100 20	6·3	1010·3	1011·0	+1·3	305·9	308·6	14th	296·6	295·2	27th	301·3	+0·2	..	187	— 68
858	Singapore	1 17	103 51	3·0	1009·3	1009·6	+0·6	306·1	309·1	13th	297·7	295·8	5th	301·9	+1·1	..	70	— 98
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Tagbilaran	9 38	123 51	26·2	..	1008·7	+0·3	305·7	307·4	27th	297·0	294·9	15th	301·3	+0·1	300·7	28	— 76
861a	Menado	1 30	124 50	3·5	..	1008·9	+0·1	303·2	306·0	30th	296·1	294·8	28th	299·7	..	299·5	75	— 80
862	Surigao	9 48	125 29	6	..	1008·5	−0·2	303·6	305·5	22nd, 25th	296·2	295·0	17, 23, 25	299·9	+0·2	300·2	258	+123
863	Yap	9 29	138 8	31·9	..	..	..	305·6	307·0	19th, 26th	298·0	295·2	30th	301·8	..	..	134	—173
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·1	1010·1	−0·5	..	..	..	..	..	..	..	−0·9	*300·4*	417	+318
906																		
923	Manaos	3 8	59 59	44·9	1004·2	1009·3	+0·7	..	308·0	..	..	295·8	12th	300·5	+0·6	..	177	+ 13
925	Turyassu	1 25	45 15	15·1	1010·4	1012·1	..	..	306·1	..	..	293·8	..	299·2	..	..	163	..
929	Quixeramobim	5 16	39 15	207·0	990·5	1014·2	+1·5	..	304·4	..	..	293·0	17th	298·8	−0·8	*298·7*	169	+ 79
930	Fernando Noronha	3 50	W32 20	93·0	1001·4	1012·1	+0·9	..	301·7	..	..	295·1	..	299·3	+0·6	..	60	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	299·1	302·4	28th, 31st	286·4	280·2	31st	292·8	+0·9	*293·3*	44	− 55
944	Nairobi	1 18	36 59	1661	..	..	..	294·6	296·3	15th	286·4	281·9	27th	290·5	−0·2	..	182	+ 32
944a	Zanzibar	6 10	39 11	21·9	1014·4	1016·8	+0·7	301·9	303·4	13th	297·8	295·7	24th	299·9	+0·7	..	98	−192
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	305·8	308·0	9th	300·8	299·1	1st	303·3	..	..	372	−213
947	Seychelles, Port Office	4 37	55 27	4·6	1011·1	1011·6	+0·7	303·1	304·6	8th	299·0	297·4	23rd	301·1	+0·7	..	240	+ 86
957	Padang	0 56	100 22	6·7	..	1010·6	−0·1	304·1	305·3	8th	296·8	295·0	11th	300·5	..	299·9	433	+112
958	Batavia	6 11	106 50	8	1009·0	1009·9	+0·4	303·7	304·9	1st, 26th	296·8	295·4	12th	300·3	+0·3	299·8	236	+135
958a	Pontianak	0 1	109 20	2·6	..	1010·1	+1·1	305·2	307·0	23rd	296·8	295·8	20th	301·0	..	300·1	238	− 32
959	Passeroean	7 38	112 55	5·0	..	1010·0	+0·1	304·1	305·7	15th	294·1	289·6	23rd	299·1	−0·8	298·7	82	− 9
960	Kajoemas	7 56	114 9	950	..	..	..	296·4	298·0	15th	290·3	287·8	29th	293·3	..	292·7	189	+ 35
962	Ambon	3 42	128 10	4·2	..	1009·7	+0·5	303·1	305·8	3rd	296·9	295·4	26th	300·0	+1·3	299·5	252	−264
963	Manokwari	1 10	134 20	19·0	..	..	..	303·4	305·1	14th	297·2	295·7	18th	300·3	..	299·8	115	−122
965	Daru	9 4	143 13	7·6	..	1008·1	−2·6	302·2	..	..	298·0	..	..	300·1	+0·6	..	113	−159
966	Port Moresby	9 29	147 9	39·0	..	1010·7	0·0	302·9	..	..	297·2	..	..	300·1	0·0	..	19	− 49
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1009·8	+0·6	..	..	..	..	..	..	..	..	..	228	− 96
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·4	1008·6	−0·2	304·8	306·9	5th	297·6	294·1	26th	301·2	+0·7	..	55	−129
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·1	1007·1	−1·0	303·9	305·6	6th, 11th	297·6	295·4	20th	300·8	0·0	*300·1*	392	+238

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		S.	W.															
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1010·0	−0·8	..	304·1	..	..	295·6	..	..	+2·0	300·4	178	+ 43
1003	Alofi, Niue Island	19 2	169 55	36·6	1010·7	1014·9	−1·5	302·1	304·1	3rd, 22nd	294·7	293·0	1, 2, 31	298·4	+0·9	..	44	−110
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	294·1	298·0	14th	288·9	288·0	sev. dates	291·5	+0·7	*291·3*	0	0
1022	Arequipa	16 22	71 33	2451	762·3	..	+0·6	293·9	295·6	14th, 18th	282·9	279·8	29th	288·4	+1·5	*288·0*	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·1	..	..	296	..	..	280	..	..	288	0	..	40	+ 33
1026	Cuyaba	15 35	56 0	235	994·2	1021·2	+0·8	..	305·8	..	..	288·2	..	298·3	0·0	..	15	− 32
1027	Bello Horizonte	19 55	43 56	857	922·9	1020·2	..	296·7	299·8	8th	283·2	279·6	13th	289·9	..	..	12	..
1028	Cætite	14 2	42 37	900	916·1	1016·9	0·0	..	302·7	..	..	285·4	..	293·2	−0·9	*293·0*	3	− 10
1029	Ondina	13 12	38 30	46·6	1010·8	1016·2	..	..	303·0	..	..	293·1	..	297·8	..	..	247	..
1030	Aracaju	10 55	37 4	4·3	1015·2	1015·7	+0·9	..	306·0	1st	..	294·5	..	299·8	+0·1	..	193	+ 75
1035	St. Helena	15 57	W 5 40	632	947·1	1018·7	−0·3	293·8	296·9	19th	286·9	285·8	19th	290·4	0·0	*290·2*	131	+ 26
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	861·3	..	+0·2	296·6	301·4	30th	282·3	280·2	7th	289·5	+1·2	..	1	− 4
1043	Salisbury, Rhodesia	17 48	31 5	1472	860·7	..	+0·9	297·5	300·6	10th	282·3	279·7	24th	289·9	+1·1	..	0	− 5
1044	Zomba	15 23	35 18	899	..	1015·2	+0·9	298·8	299·7	3, 9, 13	285·8	284·1	27th, 31st	292·3	0·0	*290·7*	6	− 19
1045	Sainte-Marie	17 0	49 51	15	..	..	..	298·3	300·4	3rd	294·6	291·5	17th	296·5	..	*295·8*	379	..
1046	Tananarivo	18 55	47 32	1400	867·9	..	+1·8	296·3	299·1	9th	284·8	280·3	17th	290·5	+0·5	*289·5*	8	− 4
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1012·5	+1·0	302·3	304·9	23rd	298·1	295·5	23rd	300·2	+0·1	..	76	−134
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·3	1008·9	+0·4	302·9	304·7	..	296·9	294·6	..	299·9	−0·5	..	442	+200
1058																		
1061	Koepang	10 10	123 34	3·3	..	1010·7	+0·3	303·9	307·1	2nd	296·3	291·5	27th	300·1	..	299·5	71	+ 34
1061a	Derby	17 18	123 40	16·2	..	1014·1	+0·5	303·0	309·2	2nd	293·8	287·4	26th, 30th	298·4	+0·2	..	65	+ 44
1062	Hall's Creek	18 13	127 46	373·6	..	1015·4	+0·1	302·9	308·8	5th	289·0	279·1	30th	295·9	+1·5	..	29	+ 19
1063	Port Darwin	12 28	130 51	29·6	..	1011·2	+0·3	304·7	307·2	12th	296·7	293·3	25th, 29th	300·7	+0·1	299·8	46	+ 28
1064	Daly Waters	16 16	133 23	210·6	..	1011·5	−1·5	305·2	308·6	7th	292·8	284·4	24th	299·0	+2·3	*298·3*	17	+ 13
1065	Mein	13 13	142 47	121·9	..	1011·0	+0·2	303·1	304·9	22nd	293·7	290·7	26th, 31st	298·4	+0·5	..	39	+ 27
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1014·5	+0·3	303·0	305·9	20th	290·2	280·4	31st	296·6	+0·9	..	0	− 10
1067	Samarai	10 37	150 40	..	..	1009·7	−1·2	..	..	..	297·3	..	..	300·1	..	..	104	−205
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1011·8	1012·3	−2·1	299·8	302·4	9th	294·8	289·9	21st	297·3	−0·4	..	558	+300
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105 / 1106	Rarotonga (Avarua)	21 12	159 47	6	1013·3	1014·0	+0·9	299·4	301·6	3rd, 21st	292·7	288·6	29th	296·1	−0·1	..	52	−111
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·0	1015·4	−1·2	289·5	292·6	16th	280·4	277·0	24th	284·9	+0·3	*286·6*	0	− 34
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1010·5	1018·2	−0·9	296·3	303·0	9th	289·1	278·5	26th	292·7	+2·4	*291·7*	106	+ 38
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	917·5	1021·4	+2·0	..	298·1	..	..	270·5	27th	286·7	+0·1	..	4	−112
1128	Rio de Janeiro	22 54	W43 10	61·4	1012·5	1019·8	+1·1	..	300·3	..	..	288·7	..	..	−0·9	293·8	32	− 55
1139 / 1140	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1141	Johannesburg	26 11	28 4	1806	..	..	..	292·0	295·8	9th	281·3	277·4	30th	286·6	+1·2	..	10	− 8
1142	Kimberley	28 42	24 47	1202	886·3	..	+0·2	295·3	298·8	11th	280·5	275·2	29th	287·9	+1·7	287·4	41	+ 19
1142a	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	293·8	295·8	2nd, 11th	289·2	286·9	11, 26, 31	291·5	..	..	7	− 42
1144	Lorenzo Marques	25 58	32 36	59	..	1020·8	+1·7	299·5	303·6	8th	290·1	286·7	21st	294·8	+0·7	294·2	79	+ 49
1147	Mauritius	20 6	57 33	54·3	1009·7	1016·1	−0·3	299·3	301·1	9, 12, 14	291·8	287·2	30th	295·5	+0·1	295·4	73	− 4
1159	Onslow	21 43	114 57	4·3	..	1014·9	+0·3	303·7	311·1	3rd	288·3	281·3	31st	296·0	+0·9	..	0	− 37
1160	Peak Hill	25 38	118 47	588	..	1016·2	−0·2	299·1	306·7	3rd	286·2	278·8	12th	292·7	+2·0	..	0	− 23
1161	Nullagine	21 53	120 5	386	..	1016·4	+0·6	300·6	307·7	1st	284·8	276·9	30th	292·7	−0·4	..	15	+ 2
1162	Laverton	28 40	122 23	466	..	1021·1	+1·7	295·9	307·7	2nd	282·0	275·2	18th	288·9	+0·2	..	1	− 24
1163	Alice Springs	23 38	133 37	587	..	1019·2	+0·9	293·8	304·7	6th	281·9	274·1	29th	287·9	−0·4	288·4	109	+ 93
1164	William Creek	28 55	136 21	76·2	..	1021·6	+1·2	294·8	301·3	2nd	282·1	274·1	28th, 29th	288·5	+0·4	*288·3*	0	− 10
1165	Boulia	22 55	139 38	146	..	1016·3	+0·4	303·8	309·1	7th	..	..	..	296·4	..	..	0	− 10
1166	Mitchell	26 32	147 52	336	..	1019·6	+1·0	295·7	302·2	1st, 2nd	282·8	271·9	29th	289·3	+1·8	..	43	+ 4
1167	Rockhampton	23 24	150 30	11·3	..	1017·9	+0·3	300·8	304·6	6th	288·8	277·3	29th	294·8	+1·5	..	0	− 41
1168	Brisbane	27 28	153 2	41·7	..	1019·5	+0·7	296·5	301·9	1st	286·6	279·1	28th	291·6	+0·6	..	91	+ 16
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5 S.	167 53 E.	117	..	..	..	293·9	297·4	21st	289·2	286·1	1st	291·6	0·0	..	39	− 95

MAY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	..	..	..	290·8	293·3	7th	285·7	282·7	17th	288·3	+0·1	*288·6*	94	− 53
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1011·6	1016·4	−0·6	290·1	298·7	24th	282·9	279·9	14th	286·5	−0·7	*286·2*	145	+ 53
1222	Santiago	33 27	70 42	520	955·4	1016·6	−0·5	291·2	299·2	25th	278·0	273·9	17th	284·6	+0·5	*283·6*	58	− 1
1222a	Concepcion	36 50	73 3	15	1014·3	1016·1	..	289·5	294·0	7th	280·3	276·2	1st	284·9	..	*284·8*	151	..
1223	Cordoba	31 25	64 12	439	965·1	1016·7	−1·8	292·1	297·5	9th	282·6	272·3	1st	287·3	+0·6	286·8	29	+ 8
1224	Bahia Blanca	38 45	62 15	20	1012·4	1014·8	+2·7	290·1	294·2	..	280·9	274·2	..	285·5	+0·7	..	40	+ 9
1225	Buenos Ayres	34 16	58 22	25·2	1013·3	1016·3	−0·3	290·4	296·0	17th	284·0	274·3	26th	287·2	+0·6	*287·0*	168	+ 91
1225a	Rio Grande	32 2	52 9	2	1015·9	1016·1	+1·2	293·6	300·2	10th	288·6	278·5	27th	291·1	+1·6	291·0	51	− 33
1226	Montevideo	34 55	W56 13	24·9	..	1016·2	+0·7	..	297·0	16th	..	278·0	27th	..	+2·1	288·3	232	+150
1239	Cape Town	33 56	E18 29	12	..	..	..	292·7	298·8	14th	284·6	277·4	18th	288·7	+0·9	..	63	− 38
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1021·8	+3·0	293·2	302·3	7th	282·5	274·3	11th	287·8	−1·0	..	46	− 73
1260	Katanning	33 42	117 35	310	..	1022·1	+3·5	290·3	299·6	7th	279·9	274·1	11th	285·1	−0·8	..	26	− 26
1261	Coolgardie	30 57	121 10	423	..	1021·5	+1·9	293·3	306·2	1st	281·1	274·6	12th	287·2	0·0	..	1	− 34
1262	Eucla	31 45	128 58	4·6	..	1020·6	+1·6	294·1	308·8	2nd	284·1	278·0	12th	289·1	+0·2	..	14	− 18
1263	Streaky Bay	32 48	134 13	13·1	..	1022·2	+1·4	293·8	302·7	2nd	284·2	278·6	28th	289·0	+1·1	..	31	− 18
1264	Adelaide	34 56	138 35	42·7	..	1022·7	+2·6	292·6	300·1	3rd	283·4	277·3	21st	288·0	+0·7	*287·8*	34	− 35
1265	Melbourne	37 49	144 58	35·1	..	1021·9	+2·4	289·8	297·0	11th	281·6	277·7	16th	285·7	+0·4	285·4	65	+ 10
1266	Bourke	30 13	145 58	110	..	1022·2	+2·5	293·4	300·6	6th	282·8	274·1	28th	288·1	−0·3	..	15	− 12
1267	Sydney	33 51	151 13	44·5	..	1021·1	+2·5	292·0	296·3	3rd	285·6	280·0	28th	288·8	+1·0	..	81	− 51
1268	Lord Howe Island	31 20	159 0	4·6	..	1020·2	..	294·0	298·5	1st	289·1	285·7	29th	291·5	..	..	101	− 37
1271	Auckland	36 50	174 50	38·1	..	..	..	288·3	291·3	5th	282·2	276·9	23rd	285·3	−1·5	..	120	+ 10
1272	Napier	39 32 S.	176 53 E.	21·3	..	1014·4	−0·1	287·6	291·9	twice	280·4	274·7	21st	284·0	−1·4	..	188	+ 86

MAY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		S.	W.															
1301 / 1302	Chatham Island	43 52	170 42	103·6	..	1015·2	..	285·9	289·1	2nd	281·4	277·4	24th	283·7	+0·5	..	213	+115
1321	Isla Huafo	43 34	74 45	140	993·8	1010·7	−2·3	284·0	286·7	13th	280·4	278·4	22nd	282·2	+0·2	*282·5*	146	+ 10
1322	Punta Galera	40 1	73 44	40	1009·1	1013·9	−0·9	285·8	288·8	20th	281·2	277·8	10th	283·5	−0·3	*284·0*	352	+ 29
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1017·5	+1·9	287·8	294·3	11th	280·1	276·4	16th	283·9	+0·7	*283·3*	25	− 22
1366	Launceston	41 27	147 10	10·1	..	1019·3	+3·2	288·7	292·7	11th	278·6	273·8	20th	283·7	+0·9	..	65	− 3
1370	Invercargill	46 25	168 21	5·5	..	..	..	284·4	291·1	4th	273·8	268·0	28th	279·1	−1·4	..	100	− 18
1371	Dunedin	45 52	170 31	91	..	1014·6	+1·8	284·4	290·8	3rd	276·3	273·0	twice	280·3	−1·0	..	67	− 20
1371a	Christchurch	43 32	172 38	7·6	..	1016·9	+2·7	285·1	292·3	16th	275·6	269·9	11th	280·3	−1·7	..	98	+ 38
1372	Wellington	41 16	174 46	2·4	..	1016·1	+1·6	286·1	290·6	5th	280·3	274·8	24th	283·2	−1·4	..	202	+ 82
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

MAY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·8	1001·5	+1·1	283·3	283·8	15th	276·7	272·6	23rd	280·0	+0·4	*278·9*	289	+ 45
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·0	1001·5	−0·3	280·5	288·2	2nd	274·0	268·5	30th	277·3	+0·4	*277·2*	56	+ 3
1423	Punta Dungeness	52 24	68 26	5	1000·3	1000·9	+0·4	282·3	286·9	3rd	277·1	271·8	29th	279·7	+0·7	*278·9*	45	+ 28
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14244	Año Nuevo	54 39	64 9	50	992·1	998·2	..	279·2	283·6	4th	275·8	271·1	23rd	277·5	..	277·5	41	..
1425	Cape Pembroke	51 41	57 42	21	999·8	1001·1	+0·6	281·2	286·3	3rd	275·9	271·9	8th, 24th	278·6	+1·2	278·8	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	36	— 24
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	994·7	−0·3	279·1	288·5	5th	272·1	268·2	27th	275·6	+1·9	*275·3*	85	— 66
1467	Macquarie Island	54 30	158 57	9·1	..	1001·7	+0·9	278·7	..	..	275·8	..	..	277·3	..	..	107	..
		S.	W.															

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·7	985·8	986·7	−4·9	272·3	277·2	16th	266·2	253·5	30th	269·3	+3·3	269·7	35	— 1
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	160	160	160	160	7·6	E 2	NE 2	W 4	SW 4	SE	SE 2	E 2	Calm 0	NE 3
2	170	160	160	160	5·3	NE 4	E 2	W 2	SW 4	NE	SE 3	SE 2	Calm 0	NE 3
3	160	160	150	150	6·3	NE 4	NE 2	W 2	SW 4	N	Calm 0	E 1	S 2	NE 3
4	150	..	..	..	(5·3)	E 4	SE 2	W 4	SW 4	NE	SE 3	S 3	SE 1	SE 3
5	..	..	150	160	(4·9)	ENE 3	NE 3	Calm 0	SW 4	NE	SE 3	SSE 2	Calm 0	NE 3
6	160	160	150	150	6·0	E 2	NE 3	W 4	SW 4	NE	SE 3	SE 1	Calm 0	SE 2
7	150	150	150	150	5·0	NE 3	E 4	Calm 0	SW 4	SE	SE 4	E 1	Calm 0	E 4
8	150	150	150	135	5·1	ENE 2	S 2	SW 4	SW 4	SE	SE 2	Calm 0	Calm 0	NW 2
9	150	135	135	150	5·3	NE 3	NE 4	NE 6	W 4	NE	SE 3	E 1	Calm 0	NE 2
10	160	..	..	..	(5·7)	E 3	NE 4	NE 4	SW 4	NE	Calm 0	E 1	Calm 0	N 3
11	..	..	135	135	(4·7)	NE 5	NE 5	N 4	SW 4	SE	SE 2	ESE 1	S 1	NE 3
12	150	150	150	150	5·5	NE 4	SE 2	N 4	W 4	SE	SE 2	E 1	Calm 0	NE 3
13	150	160	160	170	4·6	SE 3	NE 2	NE 6	SW 4	NE	SE 3	E 1	Calm 0	NE 2
14	170	170	150	150	5·8	ENE 4	NE 4	W 2	SW 4	NE	SE 2	E 1	Calm 0	Calm 0
15	150	150	150	150	5·6	E 4	E 2	Calm 0	SW 4	SE	SE 3	N 2	NW 3	NE 1
16	150	150	135	135	4·4	SE 2	NE 2	N 4	SW 4	Variable	SE 3	Calm 0	N 1	NE 2
17	135	135	135	135	4·7	NE 2	NE 2	Calm 0	SW 4	E	SE 3	E 2	Calm 0	SW 4
18	135	150	135	135	·4·1	E 2	NE 2	W 4	SW 4	E	SE 4	SE 1	S 2	SW 3
19	135	135	150	150	4·1	E 4	E 4	Calm 0	W 4	E	SE 3	SW 4	SW 4	SW 1
20	150	..	..	..	(5·7)	E 5	NE 3	Calm 0	Calm 0	E	SE 4	W 4	W 3	SW 1
21	..	..	150	135	(6·1)	E 5	E 2	Calm 0	SW 4	NE	SE 2	NW 3	NW 2	NE 2
22	135	135	135	135	5·2	NW 3	N 3	SW 4	SW 4	Variable	SE 2	NW 3	W 4	NE 2
23	135	150	160	150	6·2	N 3	N 2	SW 4	SW 4	E	SE 2	W 3	W 3	N 2
24	150	160	160	160	8·2	E 3	SE 3	SW 2	SW 4	E	SE 2	WSW 4	W 4	N 3
25	150	150	135	135	6·8	SE 4	E 3	N 4	Calm 0	E	SE 1	SW 3	W 3	NE 3
26	150	135	120	120	5·5	E 3	E 3	NE 6	SW 4	NE	SE 1	W 4	W 2	NE 3
27	135	150	150	150	6·3	NE 4	NE 3	Calm 0	SW 4	NE	ESE 2	W 1	W 1	NE 3
28	160	150	150	150	6·2	NNE 3	SE 2	N 4	Calm 0	N	ESE 2	Calm 0	Calm 0	SE 3
29	150	150	160	160	5·0	SW 3	Calm 0	N 2	SW 4	NE	SE 3	Calm 0	Calm 0	NE 4
30	160	160	150	150	5·2	S 2	E 2	N 6	SW 4	NW	SE 2	Calm 0	NE 1	NE 4
31	150	150	160	150	7·0	NE 4	SE 2	NE 4	SW 4	SE	SE 3	Calm 0	Calm 0	SE 1
Mean	150	151	148	147	5·6	3·3	2·6	2·9	3·6	..	2·4	1·7	1·2	2·4
Resultant†		149°			..	70° (70)		250° (46)		75° (68)	135° (94)	205° (11)		50° (50)
Normal†		139°			5·8	97° (69)		275° (18)		83° (79)	129° (73)	105° (56)		102° (50)

* Direction and velocity of the South-East Trade Wind at 632 metres. † Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1914.

**White Sea.*—"Archangel became open to navigation on the 30th."

**Barents Sea.*—"The ice was closely packed around Kanin Noss. The edge lay very northerly at Hope Island, and in the eastern part of the sea it lay more westerly than usual."

**Spitsbergen.*—"The ice on the Icefiord broke up, but the fiord and the West Coast became completely blocked with heavy sea ice."

**Greenland Sea.*—"At the end of the month a firm bank of ice was observed in 77° N., 0° W."

**Iceland.*—"The N. and E. coasts were partially blocked early in the month. Later the ice was usually 40 miles off the N. coasts."

North Atlantic and Labrador.—"Ice continued to increase on the Banks, numerous icebergs and icefields lying along their eastern side. A few bergs drifted to 41° 18′ N., the eastern limit being 44° W. On the 19th the loftiest berg of the year, 500 feet high, was seen in 42° N., 48° W. Belle Isle Strait was filled with pack and heavy drift ice. Gulf of St Lawrence became free at close of month."

**Davis Strait.*—"Until the middle of the month 'Storis' was observed unusually far to the south of Cape Farewell, owing to predominant northerly and westerly winds, a little being even met at 57° 8′ N. During the last sixteen years it has not been observed S. of 58° N."

**Melville Bay.*—"The ice broke up, but re-froze."

**Smith Sound.*—"Was passable for sledges throughout."

**Bering Sea.*—"Bristol Bay was free of ice."

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1006·7	1009·1	−3·1	..	..	..	269·7	266·7	3rd, 16th	..	−2·6	*272·2*	2	−11
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1005·9	1007·4	−5·8	..	279·7	30th	272·6	270·3	14th	..	..	274·8	23	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1010·6	1011·4	−1·8	..	293·4	25th	278·1	273·2	10th	..	+1·1	*280·9*	62	+ 25
142	Mehavn	71 1	27 47	6·4	1010·4	1011·2	−2·0	..	292·2	22nd	277·9	274·5	14th	..	+1·5	*280·6*	51	+ 8
143	Vardö	70 22	31 8	10·0	1010·0	1011·2	−2·2	..	289·0	22nd	277·8	274·3	9th	..	+1·6	*280·2*	63	+ 30
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. JUNE—ZONE 2.

203	Nome	64 31	165 24	6·1	1010·3	1011·0	+0·9	286·4	294·1	..	277·3	270·8	..	281·8	+1·1	..	28	+ 4
204	Candle	65 55	161 57	? 2·4	..	..	..	292·7	?300·8	22nd	277·9	?269·7	2nd, 3rd	285·3	..	..	4	..
205	Tanana	65 12	152 0	? 74	1000·6	?1009·4	..	295·8	303·0	..	280·3	274·7	..	288·1	+1·3	..	13	−11
206	Rampart	65 30	150 15	? 122	..	..	..	299·4	306·3	15th	279·9	273·6	4th	289·7	..	..	14	− 9
207	Valdez	61 6	146 13	3·1	1014·5	1014·9	+1·1	287·7	293·6	..	279·2	273·6	..	283·4	−0·3	..	104	+55
208	Eagle	64 46	141 12	250	978·3	1007·7	−0·6	295·9	304·1	..	..	..	..	286·0	−0·1	..	21	−15
209	Dawson	64 4	139 20	328	971·5	1010·1	−2·4	294·7	301·9	16th	279·1	273·0	3rd, 7th	286·9	0·0	..	44	+16
210																		
211	Carcross	60 11	134 34	662	..	..	..	289·9	296·3	16th, 17th	276·9	268·0	2nd	283·4	+0·1	..	12	− 3
212																		
213	Fort Simpson	61 52	121 35	129	997·7	1013·0	..	..	..	..	281·3	272·4	7th	290·3	..	..	30	−16
214	Hay River	60 51	115 20	161	993·9	1013·4	..	289·1	301·9	13th	277·9	268·0	10th	283·5	−0·2	..	13	..
215	Fort Resolution	61 10	113 50	240	..	..	..	291·6	304·7	..	279·1	271·3	..	285·3	..	..	9	..
216	Jacobshavn	69 13	51 2	12·6	1005·5	1007·1	−4·8	276·8	279·7	1st, 20th	272·6	269·7	9th	274·7	−2·8	*274·7*	13	− 8
217	Godthaab	64 11	51 44	9·0	1003·1	1004·3	−5·5	..	..	..	272·2	270·4	9th	..	−2·8	*274·6*	31	− 3
220	Angmagsalik	65 37	37 34	31·7	1003·0	1006·9	−6·9	281·6	286·2	13th	273·4	268·3	10th	277·5	−1·3	*276·7*	104	+51
221																		
231	Stykkisholm	65 5	22 46	11·3	1007·6	1009·0	−1·7	283·8	287·7	16th	278·2	274·5	6th, 7th	281·0	−0·5	*280·3*	43	+ 5
232	Vestmanno	63 26	20 15	7·7	1008·4	1009·3	−1·9	284·4	289·7	20th	279·1	275·4	7th	281·7	−0·8	*281·3*	147	+66
233	Grimsey	66 33	17 58	22·0	1007·8	1008·6	−3·1	282·6	291·1	23rd	275·9	273·1	7th	279·3	−0·3	*278·2*	12	− 6
234	Berufjord	64 40	14 19	18·0	1007·4	1009·6	−2·4	285·8	290·2	29th	277·9	274·4	8th	281·9	+1·1	*281·4*	43	−22
235	Thorshavn	62 25	6 45	25·7	1011·8	1014·9	+0·6	285·4	289·3	15th	279·7	273·6	2nd	282·5	+0·2	..	54	−11
236	Lerwick	60 9	W 1 8	18·0	1014·5	1016·7	+2·7	285·6	289·7	30th	281·1	278·0	1st, 2nd	283·3	+0·6	..	27	−18
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1010·3	1015·7	+1·8	..	299·0	23rd	282·2	277·3	3rd	..	−0·2	*285·7*	55	−38
239	Christiansund	63 7	7 45	17·8	1013·4	1015·5	+1·6	..	297·4	23rd	281·4	277·5	5th	..	−0·2	*284·0*	83	+32
240	Trondhjem	63 26	10 25	39·5	1010·7	1015·5	+2·1	..	301·7	23rd	281·2	275·4	7th	..	+0·6	*285·5*	49	+ 3
241	Bodö	67 17	14 24	20·5	1011·9	1014·4	+0·5	..	298·4	24th	279·7	276·0	14th	..	−0·4	*282·5*	45	− 8
242	Haparanda	65 50	24 9	9·2	1010·5	1011·6	−0·8	289·5	303·0	24th	280·9	276·0	3, 4, 5,	285·2	−0·3	*284·4*	50	+16
	Helsingfors	60 10	24 57	11·7	1013·5	1015·0	+2·2	291·4	299·4	23rd	283·9	277·9	4th	287·6	+1·1	288·0	27	−17
2420																		
243	Kuopio	62 54	27 40	99·7	1001·9	1012·7	−0·3	292·9	301·3	26th	283·1	277·0	9th	288·0	+1·5	*287·8*	56	+ 1
244	Kola	68 53	33 1	6·7	..	1011·4	−0·9	..	298·8	24th	..	276·7	8th	..	+4·6	*283·8*	49	+21
245	Petrozavodsk	61 47	34 23	38·9	..	1015·0	+2·4	..	303	..	..	275	..	..	+3·0	*289·2*	23	−35
246	Arkhangelsk	64 33	40 32	6·7	..	1014·2	+2·2	..	300	..	..	275	..	..	+2·6	*287·5*	17	−28
247	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
248	Oust-Tayima	65 27	52 10	? 25	..	1013·8	+2·7	..	298	..	..	270	..	..	+0·9	*283·9*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249																		
250	Berezov	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261																		
262	Olekminsk	60 22	120 26	? 135	..	1005·5	−1·8	..	304·4	30th	..	278·0	6th	..	+1·7	*289·6*	20	−16
263	Iakoutsk	62 1	129 43	? 108	..	1007·8	−0·4	..	303·2	29th	..	280·3	1st	..	+3·7	*291·6*	..	..
264	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272	Markovo sur Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° N.	° E.	metres.	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Etimates not based on at least six equally spaced observations each day are in *italics*.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1010·4	1010·9	−0·1	283·9	287·4	22nd, 23rd	277·9	274·1	12th	280·9	+0·4	..	179	+102
305	Kodiak	57 47	152 22	3·7	..	..	..	..	..	..	278·2	274·7	2nd	..	..	..	285	+173
309	Sitka	57 4	135 20	27·4	1014·1	1017·4	+2·2	288·2	293·0	..	280·5	275·2	..	284·3	+0·7	..	41	− 32
310	Prince Rupert	54 18	130 18	52	1008·8	1015·9	−0·7	289·4	297·4	24th	281·9	278·6	5th	285·7	+0·8	..	43	− 46
311	Barkerville	53 2	121 35	1274	867·9	1012·8	−1·1	289·6	296·9	16th	276·9	271·9	5th	283·3	+0·2	*283·3*	112	+ 26
312	Kamloops	50 41	120 29	380	971·2	1011·8	0·0	297·9	306·3	16th	283·6	277·9	8th	290·7	−0·4	*290·6*	14	− 17
313	Calgary	51 2	114 2	1033	892·3	1011·2	0·0	294·9	304·7	17th	279·7	272·4	4th	287·3	+1·0	*287·5*	67	− 14
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	960·4	1010·5	0·0	294·5	300·1	16th	281·5	274·9	11th	288·0	+0·5	*288·4*	51	− 17
316	Qu'Appelle	50 30	103 47	645	936·3	1011·5	+0·2	294·5	305·2	2nd	281·4	276·3	25th	287·9	−0·4	*288·0*	85	− 9
317	Minnedosa	50 15	99 50	515	952·9	1013·2	+1·7	295·2	304·9	2nd	281·3	272·4	19th	288·3	−0·2	*288·0*	35	− 45
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	York Factory	57 0	92 28	16·8	1013·3	1015·3	+3·1	..	..	..	274·8	267·4	1st	280·6	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1014·1	1015·2	+1·0	289·9	305·2	9th	276·9	270·2	1st, 5th	283·4	−2·2	..	39	− 27
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1009·2	1012·3	..	281·9	294·1	30th	271·6	265·2	2nd	276·7	..	..	80	− 44
326	Point Riche	50 42	57 25	10·7	..	..	..	..	288·6	25th	..	273·0	1st	280·0	−1·3	..	24	− 76
327	Belle Isle	51 23	55 23	132·8	992·5	1009·0	−1·8	277·5	282·4	20th	272·7	269·1	4th	275·1	−3·0	..	60	
334	Valencia	51 56	10 15	13·7	1019·4	1021·1	+5·2	289·9	296·3	15th	283·8	280·2	26th	286·8	+0·1	286·8	42	− 47
335	Aberdeen	57 10	2 6	26·8	1014·6	1017·9	+3·0	288·8	298·6	30th	281·8	276·3	3rd	285·3	+0·4	285·3	19	− 26
336	Greenwich	51 28	W 0 0	48·5	1011·5	1017·1	+1·0	294·9	304·1	30th	282·5	277·4	8th	288·7	0·0	288·1	34	− 17
337	Uccle	50 48	E 4 22	100	1004·5	1016·5	+0·3	293·3	300·2	30th	282·0	276·4	4th	287·7	−1·4	287·6	75	+ 6
338	De Bilt	52 6	5 11	3·0	1016·1	1016·5	+0·7	292·7	301·0	15th	282·0	274·5	8th	287·3	−1·2	287·3	53	− 17
338a	Hamburg	53 33	9 59	40	1010·3	1015·1	+0·1	291·8	297·6	21st	285·1	279·4	7th	288·5	−0·5	*288·4*	66	− 4
339	Copenhagen	55 41	12 36	5·0	1014·7	1015·3	+1·1	291·3	297·8	16th	285·0	280·8	3rd	288·1	+0·2	*288·3*	15	− 55
340	Potsdam	53 23	13 14	84·9	1014·9	−0·1	294·0	301·7	22nd	284·2	279·1	6th	289·1	−0·5	288·7	71	+ 12
340a	Upsala	59 51	17 38	24·0	1011·5	1014·4	+1·4	294·0	301·4	15, 20, 23	280·3	273·0	4th, 7th	287·1	+0·8	287·8	72	+ 24
341	Warsaw	52 13	21 2	120	..	1014·6	+0·2	..	300	..	..	279	..	..	−1·1	*289·6*	82	+ 16
342	Jurjev	58 23	26 43	74·5	1006·7	1015·6	+2·9	294·6	304·2	24th	282·5	275·9	6th	288·6	+0·5	288·5	36	− 22
343	Petrograd	59 56	30 16	4·8	..	1015·8	+3·3	..	303	..	..	278	..	..	+1·5	*289·2*	51	+ 1
344	Kiev	50 27	30 30	182·9	..	1013·5	+0·8	..	300	..	..	279	..	..	0·0	*290·9*	78	+ 11
344a	Moscow	55 46	37 40	156	..	1016·6	+1·7	..	303	..	..	276	..	..	+1·0	*290·3*	54	− 4
345	Saratov	51 32	46 3	59·9	..	1013·4	+2·7	..	306	..	..	280	..	..	+0·3	*292·9*	2	− 36
346	Kazan	55 47	49 8	79·8	1004·7	1014·2	+4·4	..	303	..	..	275	..	..	−0·5	289·7	44	− 14
347	Orenburg	51 45	55 6	114·1	..	1012·8	+3·2	..	302	..	..	277	..	..	−0·7	*291·0*	26	+ 21
348	Perm	58 1	56 16	163·0	..	1012·6	+3·2	..	299	..	..	273	..	..	−1·6	*286·6*	45	− 25
349	Ekaterinburg	56 50	60 38	288·9	..	1012·4	+1·9	..	298	..	..	272	..	..	−1·9	*285·6*	76	+ 5
350	Tobolsk	58 12	68 14	108	..	1010·7	−0·2	..	297·5	12th	..	276·0	2nd	..	−1·9	*285·9*	90	+ 31
351	Akmolinsk	51 12	71 23	? 347	..	1012·2	+1·1	..	302·6	13th	..	280·8	4th	..	−0·6	*289·9*	45	− 1
352	Omsk	54 58	73 23	90	..	1009·7	−0·4	..	302·8	13th	..	282·4	3rd	..	−0·8	*288·6*	47	− 5
353	Barnaoul	53 20	83 47	162·2	..	1009·4	−1·0	..	299·5	14th	..	283·3	4th	..	+0·4	*290·2*	74	+ 30
354	Tomsk	56 30	84 58	121·6	..	1008·3	−1·0	..	300·5	10th	..	279·8	3rd	..	0·0	*287·6*	70	+ 1
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1007·1	−3·4	..	300·2	10th	..	279·9	4th, 5th	..	−0·3	*287·6*	98	+ 36
357	Irkutsk	52 16	104 19	467	..	1009·2	−1·0	..	303·0	1st	..	278·9	7th	..	−0·3	*287·3*	..	..
358	Kirensk	57 47	108 7	? 263	..	1007·4	−1·4	..	300·8	26th	..	278·2	7th	..	−1·8	*287·0*	51	+ 2
359	Tchita	52 2	113 30	664	..	..	..	..	301·4	21st	..	278·0	1st	..	−1·3	*287·5*	92	+ 46
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1004·3	−3·1	..	299·7	1st	..	279·9	11th	..	+0·1	*288·6*	190	+154
361	Tygan Ourkan	54 5	124 46	? 359	961·9	1003·5	..	..	299·9	5th	280·3	272·4	12th	..	..	*288·5*	90	..
362	Blagoveshchensk	50 15	127 31	133·6	987·4	1003·0	−1·8	..	300·8	13th	285·8	279·4	12th	..	+0·3	*290·6*	114	+ 40
363	Paikanskii Sklad	50 11	130 7	? 145	986·2	1003·2	..	..	301·9	4th	282·5	273·8	12th	..	..	*289·5*	151	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·4	1008·9	+0·5	..	300·7	24th	279·7	273·0	12th	..	+0·2	*284·7*	10	− 28
366	Okhotsk	59 21	143 17	6·0	1010·2	1010·9	−1·9	..	287·5	17th	275·6	270·5	9th	..	−1·4	*278·3*	10	− 55
368	Petropavlovsk Phare	52 53	158 43	87·1	1000·3	1011·1	+2·7	..	288·1	12th	277·0	272·5	1st	279·3	−1·0	..	9	− 51
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JUNE—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·2	1016·7	−0·2	290·1	298·6	14th	282·4	278·8	4th	286·3	−0·3	285·8	42	+ 18
412	Portland, Oregon	45 32	122 41	46·6	1011·6	1016·9	−0·2	294·4	307·4	15th	284·3	278·6	4th	289·3	−0·2	*289·1*	39	− 4
413	Macleod	49 44	113 24	954	..	..	..	295·7	307·4	2nd	280·3	274·1	15th	288·0	+0·9	*288·2*	148	+ 77
414	Helena	46 34	112 4	1253	872·5	1012·5	+0·2	293·4	305·8	18th	281·8	276·3	6th	287·6	−0·7	*287·5*	92	+ 30
414a	Salt Lake City	40 46	111 54	1329	865·9	1011·5	+0·6	297·6	306·3	18th	284·9	273·0	6th	291·3	−1·5	*291·6*	68	+ 46
415	Cheyenne	41 8	104 48	1856	813·8	1011·2	+1·0	296·6	302·4	19th	282·1	278·0	7th	289·3	+0·3	*289·7*	6	− 32
416	North Platte	41 8	100 45	859	915·3	1012·2	+0·5	302·4	309·7	10th	288·2	281·9	9th	295·3	+1·7	*294·9*	118	+ 36
416a	Bismarck	46 47	100 38	510·6	953·7	1013·2	+0·9	296·6	301·9	2nd	285·0	277·4	19th	290·8	−0·7	*290·2*	251	+160
417	Winnipeg	49 53	97 7	231·6	985·8	1013·5	+1·0	297·1	304·6	2nd	283·6	274·8	19th	290·3	+0·5	*289·5*	37	− 46
418	Duluth	46 47	92 6	345·1	974·2	1015·2	+1·5	291·8	300·8	10th	282·0	276·9	20th	286·9	+0·2	*287·2*	160	+ 65
419	Port Arthur	48 27	89 12	196·3	991·9	1015·9	+1·8	294·4	302·4	10th, 16th	280·5	275·2	14th	287·5	+0·8	*287·4*	33	− 35
420	Chicago	41 53	87 37	250·9	986·4	1015·9	+1·3	298·6	308·0	9th	289·9	283·6	16th	294·3	+2·0	*293·8*	90	+ 2
421	Toronto	43 40	79 24	115·5	1001·7	1015·8	+1·2	296·8	305·9	24th	285·2	276·3	20th	291·0	+1·0	290·8	55	− 15
422	New York (Central Park)	40 46	73 58	29·6	1011·4	1014·8	−0·9	298·2	306·3	25th	288·7	282·4	20th	293·5	−0·9	293·2	52	− 33
423	St. John, N.B.	45 17	66 4	? 22	1009·5	1012·5	−1·4	289·7	300·4	11th	281·4	275·1	9th	285·5	−1·1	*285·0*	123	+ 40
424	S. W. Point, Anticosti	49 24	63 35	9·1	1008·1	1009·5	−2·2	285·5	294·4	18th	276·2	271·9	5th	280·8	−1·7	..	96	+ 37
425	Sable Island (Main Station)	43 57	60 6	7·6	1014·5	1015·4	0·0	285·4	289·7	..	279·6	275·2	..	282·5	−1·0	..	89	+ 2
426	St. Johns, Newfoundland	47 34	52 42	38·1	1006·4	1011·2	−1·2	288·7	296·9	23rd	278·9	273·0	10th	283·8	+1·0	..	63	− 27
435	Madrid	40 24	3 41	655·4	940·6	1015·4	−0·4	300·3	306·4	30th	283·3	275·4	10th	291·8	−1·6	291·1	68	+ 33
436	Nantes	47 15	W 1 34	41·4	1012·4	1017·3	−0·6	294·4	305·0	30th	284·0	277·0	2nd	289·2	−0·8	289·0	88	+ 32
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·7	1016·8	−0·2	294·1	303·2	30th	283·1	277·1	10th	288·6	−1·0	288·5	77	+ 22
438	Marseilles	43 18	5 23	75	1005·4	1014·3	−0·7	296·9	303·3	27th	285·4	281·2	9th, 10th	291·1	−1·7	291·1	25	− 20
438a	Zürich	47 23	8 33	493·2	958·7	1016·3	−0·9	294·1	302·4	28th	282·6	276·5	10th	288·4	−1·9	287·7	142	+ 7
439	Rome	41 54	12 28	50·6	1008·0	1013·6	−1·8	298·3	305·0	30th	287·9	285·0	8th	293·1	−1·5	*293·3*	19	− 22
440	Vienna	48 15	16 22	202·5	989·4	1013·8	−0·9	293·9	299·3	28th	286·0	280·6	6th	290·0	−1·0	289·7	58	− 13
440a	Buda-Pesth	47 30	19 2	129	997·4	1012·8	−1·1	297·0	302·0	27th	286·4	281·6	4th	291·7	−1·2	291·3	75	+ 1
441	Bucharest	44 25	26 6	82	1001·0	1010·6	−2·4	297·5	301·8	24th	287·3	283·0	6th	292·4	−1·5	292·0	167	+ 78
443	Odessa (University)	46 29	30 44	65	..	1011·6	−1·1	..	302	..	..	284	..	..	+0·1	*293·0*	33	− 23
444	Kharkov (University)	50 0	36 14	140	..	1014·0	+1·6	..	301	..	..	278	..	..	−0·1	*290·7*	76	+ 12
444a	Novorossiisk	44 44	37 49	37	..	1009·1	−4·6	..	301	..	..	287	..	..	+0·6	*293·3*	..	..
445	Tiflis	41 43	44 48	409	..	1009·4	−3·7	..	303	..	..	284	..	..	−1·6	*292·7*	97	+ 25
446	Astrakhan	46 21	48 2	−14	..	1009·6	−2·2	..	304	..	..	283	..	..	−1·1	*294·6*	43	+ 25
447	Fort Alexandrovsk	44 31	50 16	24	..	1007·4	−4·6	..	306·7	29th	..	287·2	7th	..	−0·2	*295·3*	15	+ 4
448	Krasnovodsk	40 0	52 59	−15	..	1007·6	−3·7	..	309	..	..	290	..	..	+0·1	*298·3*	..	..
449	Tachkent	41 20	69 18	478·3	..	1006·3	−0·9	..	314·0	16th	..	291·2	2nd	..	+1·5	*298·9*	19	+ 7
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	998·7	1003·8	−0·5	302·1	310·0	24th	288·7	283·9	1st	295·4	+0·5	294·9	'99	+ 16
462	Joshin	40 40	129 11	4·0	1005·9	1006·4	−0·1	292·1	299·3	6th	286·1	283·3	1st, 9th	289·1	+0·1	288·7	26	− 33
463	Vladivostok	43 7	131 55	26·8	1004·0	1007·2	−2·3	..	297·2	6th	284·6	282·0	1st	..	+0·3	*287·2*	65	+ 2
464																		
465	Ochiai	47 20	142 44	6·6	1007·4	1008·2	−0·9	286·7	298·5	3rd	278·2	275·3	21st	282·5	−1·0	282·3	119	+ 31
466	Nemuro	43 20	145 35	26·7	1005·4	1008·6	−1·7	288·1	293·9	5th	280·7	278·2	28th	284·4	+1·1	284·0	61	− 32
		° N.	° E.															

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

		° N.	° W.															
511	San Francisco	37 48	122 26	47·2	1009·2	1014·9	+0·4	290·1	301·9	27th	283·3	281·9	6th	286·7	−1·0	*286·1*	7	+ 2
512	San Luis Obispo	35 18	120 39	61·3	1008·3	1015·9	+1·4	294·9	308·6	27th	282·7	278·6	12th	288·8	−0·8	*288·0*	6	+ 3
513	Modena	37 48	113 54	1670	832·7	1010·5	+0·8	298·2	306·9	28th	280·7	274·1	6th	289·4	−0·8	*289·4*	38	+ 30
514	San Diego	32 43	117 10	26·5	1010·7	1013·9	+1·0	293·4	299·1	27th	287·9	285·8	26th	290·7	−0·4	*290·3*	0	− 1
515	Santa Fé	35 41	105 57	2138	789·6	1009·5	+0·1	299·0	303·6	29th	285·8	282·4	9th	292·4	+0·7	*292·7*	44	+ 17
516	Kirensk	39 45	105 0	1613	837·2	1011·2	+0·5	301·2	306·9	28th	285·4	279·1	9th	293·3	+0·8	*292·9*	42	+ 7
517	Denver	39 45	105 0	5296	954·3	1013·9	+2·2	304·7	308·6	29th	293·9	291·3	10th	299·3	+0·7	*299·4*	28	− 39
518	Abilene	32 23	99 40	529·6	994·6	1014·5	+0·2	305·9	311·3	26th	294·6	286·9	20th	300·3	+3·5	*300·4*	3	−104
519	Saint Louis	38 38	90 12	173·1	994·6	1014·5	+0·2	305·9	311·3	26th	294·6	286·9	20th	300·3	+3·5	*300·4*	3	−104
520	Mobile	30 41	88 2	17·4	1014·5	1016·6	+1·4	306·4	311·3	26th	297·0	294·7	15th	301·7	+1·4	*300·6*	147	+ 6
521	Nashville	36 10	86 47	166·4	997·1	1016·6	+1·2	306·8	310·8	25th	294·5	288·6	18th	300·7	+2·6	*300·3*	75	− 33
522	Charleston	32 47	79 56	14·6	1014·9	1016·6	+0·4	303·7	311·3	24th	296·3	291·9	19th	300·0	+0·8	*299·6*	110	− 18
523	Washington	38 54	77 3	34·1	1011·7	1015·6	+0·2	301·9	309·1	24th	290·5	283·6	3rd	296·2	+0·1	*295·7*	157	+ 49
524	Bermuda	32 18	64 46	46·0	1015·5	1020·9	+2·1	298·7	300·2	26th	293·1	289·0	8th	295·9	−1·0	..	53	− 64
531	Horta	38 32	28 38	28	1026·6	1029·5	+6·3	294·5	299·2	30th	290·2	287·2	5th	292·3	−0·6	*291·6*	18	− 52
532	Ponta Delgada	37 44	25 40	17	1026·2	1027·4	+4·1	293·7	296·3	30th	289·4	286·7	8th	291·6	−0·1	*290·8*	115	+ 43
533	Madeira (Funchal)	32 37	16 54	25	1019·6	1022·6	+2·0	294·3	296·0	26th	289·8	287·8	6th	292·0	−0·7	*292·2*	9	− 2
535	Lisbon	38 43	9 9	95	1006·2	1017·5	−0·1	294·9	303·3	23rd	287·8	285·4	10th, 13th	291·4	−0·9	*291·0*	17	− 3
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1015·8	1017·7	+1·7	296·9	300·8	6th	288·4	283·6	3rd	292·7	−1·6	*292·5*	0	− 12
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JUNE—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ′	E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	975·7	1015·8	−0·1	295·0	304·6	25th	288·2	284·1	1st	291·6	−2·0	291·0	27	+ 10
538	Palma	39 34	2 38	23	1013·3	1016·0	−0·7	297·8	305·4	29th	289·3	285·4	1st	293·5	−1·4	..	11	− 8
538a	Tunis	36 48	10 10	33	..	1015·1	−0·4	300·6	308·6	28th	290·6	285·0	1st	295·6	−0·6	295·6	6	− 6
539	Malta	35 54	14 31	58·8	..	1015·4	−0·8	297·1	303·0	25th	291·4	288·8	8th	294·2	−1·0	..	0	− 2
540	Riposto	37 41	15 14	14·2	..	1015·2	−0·6	298·2	301·9	26th	291·4	289·0	2nd, 9th	294·8	−0·9	293·8	0	− 7
541	Athens	37 58	23 43	107·1	998·3	1010·8	−1·7	300·1	306·3	20th	291·3	287·3	5th	295·7	−1·4	295·5	16	+ 1
542	Alexandria	31 9	29 54	32·0	1008·5	1012·2	−0·4	301·9	311·4	16th	293·0	289·9	6th	297·5	−0·2	296·1	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	998·5	1011·8	−0·2	307·4	318·2	1st	292·9	288·5	6th	300·1	+0·1	299·3	0	0
544	Nicosia	35 11	33 22	152	..	1008·9	−1·1	304·7	309·1	25th	287·3	282·4	4th, 7th	296·0	−2·1	..	8	− 5
544a	Beirut	33 54	35 28	52·4	..	..	..	300·1	308·3	8th	293·2	290·9	7th	296·7	−0·6	..	5	0
545	Baghdad	33 21	44 28	38·7	1000·4	1004·9	+0·5	310·9	312·9	27th	295·7	292·6	14th	303·3	−2·1	..	0	− 12
546	Lenkoran	38 46	48 52	−19	..	1008·7	−2·9	..	303	..	..	287	..	..	−0·2	296·0	11	0
547	Busrah	30 31	47 53	7·6	1002·6	1003·6	0·0	311·2	319·0	4th	298·2	295·3	11th	304·7	−0·9	..	0	− 7
548	Meshed	36 16	59 35	946	900·4	1001·0	..	307·1	313·1	21st	289·2	285·2	11th	298·2	+1·7	..	1	
549	Quetta	30 11	67 3	1677	828·5	..	+0·2	307·4	311·2	18th	290·8	285·8	12th	299·1	+2·5	..	12	+ 8
550																		
551	Lahore	31 34	74 20	214·0	976·2	997·3	+0·8	313·7	320·6	16th	301·0	294·5	7th	307·3	0·0	307·1	23	− 24
551a	Simla	31 7	77 8	2205	779·0	..	+1·1	294·8	299·4	17th	289·3	283·6	8th	292·1	−0·6	..	190	+ 14
552	Leh	34 10	77 42	3503	666·5	..	+0·3	297·0	303·2	26th	282·0	277·3	4th	289·5	+2·1	..	12	+ 8
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	136	− 78
559	Hang Kow	30 35	114 17	37·0	1000·6	1004·8	−0·6	304·9	309·8	30th	296·6	289·2	2nd	300·7	+1·5	300·2	79	− 134
560	Tiensin	39 10	117 10	5·0	1003·1	1003·6	−0·9	304·8	311·5	18, 26, 27	292·4	282·4	1st	298·6	+1·0	298·2	88	+ 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·6	−0·8	302·7	307·6	7th, 24th	293·1	286·6	12th	297·9	+0·9	296·9	240	+ 58
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1007·2	+0·3	296·9	306·3	24th	290·3	286·7	6th	293·6	+0·1	293·1	125	+ 264
562a	Nagasaki	32 44	129 52	133·0	993·6	1009·1	+1·3	297·6	304·5	30th	291·9	287·6	11th	294·7	−0·2	294·4	599	+ 44
563	Kioto	35 1	135 44	42·0	1004·4	1009·4	+0·8	299·6	306·0	29th	289·4	284·7	13th	294·5	+0·5	294·5	281	− 41
564	Tokio	35 41	139 45	21·3	1006·7	1009·2	+0·5	298·5	304·5	30th	291·3	288·2	12th	294·9	+1·1	294·5	125	− 104
565	Miyako	39 38	141 59	30·4	1005·4	1008·9	−0·5	295·5	301·6	9th	286·2	282·1	26th	290·9	+1·2	290·0	31	
566		N.	E.															

JUNE—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1015·3	1016·6	−0·9	300·3	301·3	..	295·3	293·6	..	297·8	+0·2	..	11	− 18
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·9	1016·9	+2·7	303·4	307·4	29th	298·5	295·8	22nd	300·9	+0·2	300·4	3	− 96
618	New Orleans	29 58	90 4	15·5	1014·5	1016·2	+1·5	306·8	309·7	28th	297·2	294·1	3rd	302·0	+1·8	301·2	89	− 63
619	Havana	23 8	82 22	24·3	..	1017·1	+2·0	303·9	305·3	30th	296·3	294·7	1st, 4th	300·1	+0·4	299·8	31	− 138
620	Key West	24 33	81 48	6·7	1016·1	1016·9	+1·4	303·8	305·2	27th	298·1	294·7	21st	300·9	−0·2	300·7	26	− 85
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·1	+1·3	302·8	304·4	11, 16, 26	296·9	294·4	28th	299·9	+0·1	..	123	− 49
622																		
633	La Laguna	28 28	16 20	547	957·0	1020·2	+0·3	294·2	296·6	18th	286·5	284·0	10th	290·3	−0·9	..	5	0
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	293·0	296·9	29th	275·5	268·0	12th	284·3	−1·3	..	1	+ 1
637	Insalah	27 8	E 2 27	280	..	..	..	321·2	325·3	10th	299·5	296·0	17th	310·3	+2·7	310·4	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	313·7	320·6	1st	295·7	290·6	4th	304·7	+1·0	304·7	..	..
643	Tor	28 13	33 37	1·9	1008·6	1008·7	+1·6	307·7	312·6	12th	296·0	291·9	17th	301·8	+0·7	300·4	..	..
644	Aswan	24 2	32 53	99·6	998·1	1009·2	−0·2	314·6	320·0	1st, 9th	297·9	294·4	6th	306·3	+0·3	305·3	..	..
647	Bushire	28 59	50 53	4·3	1001·9	1002·5	+1·8	304·5	308·9	14th	299·7	295·1	4th	302·1	−1·0	..	0	0
648	Jask	25 44	57 47	4·0	999·3	999·7	+1·2	308·7	313·6	5th	301·8	298·6	9th	305·2	+0·2	..	21	+ 20
649	Kurrachee	24 53	66 57	4·0	1000·2	1000·7	−0·2	306·3	308·6	22nd	301·1	298·3	28th	303·7	−0·6	..	108	+ 83
650	Hyderabad, Sind	25 24	68 18	29·3	996·3	999·6	+0·7	312·6	315·8	16th	301·0	299·6	24th, 30th	306·8	0·0	..	27	+ 14
651	Jaipur	26 56	75 52	436·5	953·0	997·4	0·0	312·4	317·6	16th	300·1	293·4	7th	306·3	−0·5	305·6	70	+ 18
652	Nagpur	21 8	79 5	310·2	968·0	1002·0	−0·3	309·4	316·3	1st	298·3	294·1	19th	303·8	−0·9	..	197	− 24
653	Allahabad	25 25	81 51	94·1	989·8	998·3	+0·7	313·2	319·4	16th	301·6	295·8	6th	307·4	+0·7	306·7	43	+ 82
654	Calcutta	22 36	88 23	6·4	..	1000·7	+1·0	305·8	309·4	5th	298·9	296·5	17th	302·4	−0·1	302·3	235	− 55
655	Gauhati	26 8	91 41	59·7	996·8	1003·5	+0·5	306·4	309·1	25th	297·8	295·3	17th	302·1	+0·8	..	280	− 44
655a	Cherrapunji	25 15	91 42	1314	863·8	..	−0·1	296·3	299·6	4th	?291·1	287·4	17th	?293·8	+0·7	..	2653	+ 296
656	Shillong	25 33	91 48	1500	845·2	..	+0·2	296·9	299·8	26th	289·6	287·4	18th	293·3	−0·1	..	470	+ 36
656a	Akyab	20 11	92 56	6·1	1003·3	1003·9	−0·4	302·4	305·1	18th	297·5	295·0	5th	299·9	−0·8	..	1433	+ 288
657	Phu Lien	20 48	106 37	115·6	990·8	1003·9	0·0	305·1	310·0	11th	298·3	295·2	17th	301·7	−0·3	300·9	233	+ 12
658	Moncay	21 31	107 51	9	1003·2	1004·2	+0·3	304·2	306·8	2nd	297·5	294·6	3rd	300·9	−0·3	300·2	481	− 87
659																		
660	Hong Kong	22 18	114 10	33·2	1002·9	1006·6	+0·5	303·3	305·2	30th	299·1	296·9	1st	301·2	+0·6	300·8	311	− 27
661	Taihoku, Formosa	25 2	121 31	9·3	1006·2	1007·2	+0·2	304·7	306·7	23rd, 25th	295·6	289·9	3rd	300·2	−0·2	299·5	305	+ 27
662	Naha	26 13	127 41	10·5	1008·4	1009·6	+2·1	303·6	306·5	24th	297·1	291·9	5th	300·3	+1·0	300·0	34	− 240
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ′	W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	810·2	..	..	297·0	299·7	8th	286·7	285·0	27th	291·9	..	290·9	119	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·9	..	+2·0	295·9	298·9	19th	285·9	282·6	24th	290·9	−0·8	289·8	120	+ 21
718a	Oaxaca	17 4	96 44	1563	847·3	..	..	299·7	302·4	19th	288·3	286·2	6th	294·0	..	293·0	123	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·0	..	..	296·9	..	..	..	..	306	+ 18
720	San Salvador	13 44	89 9	657	938·7	1011·5	+0·6	..	305·6	..	..	292·4	..	297·7	+1·2	..	337	+ 72
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·3	+0·8	303·5	305·2	22nd	295·6	293·8	9th	299·6	−0·1	299·0	140	− 19
722	Port au Prince	18 34	72 22	37·4	1011·0	1015·3	+1·3	306·4	308·9	19th	295·8	294·1	11th	301·1	0·0	300·4	185	+ 97
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·7	1015·4	−0·3	302·8	304·0	6th, 28th	297·7	296·5	1st, 8th	300·3	−0·4	..	94	− 21
724	Grenada (Richmond Hill)	13 3	61 15	155·1	995·2	1013·0	−0·1	301·7	303·0	3rd, 10th	296·9	295·2	30th	299·3	+0·3	298·8	174	− 45
725	Barbados	13 8	59 36	55·2	..	1014·8	+0·4	302·4	303·9	13th	298·2	295·3	19th	300·3	+1·0	300·1	101	− 27
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·6	1015·8	+0·6	297·4	299·0	9th	293·4	289·0	17th, 18th	295·4	−1·1	295·7	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·6	1015·5	+0·4	301·2	303·5	8th	295·5	294·0	1st	298·4	+0·5	298·3	0	0
733	Bathurst	13 24	16 36	1·5	..	1012·0	−0·6	304·3	310·2	29th	294·5	290·8	12th	299·4	0·0	299·7	76	+ 1
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	312·4	315·8	1st, 3rd	..	..	..	307·2	..	..	67	− 38
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	87	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	316·4	319·0	7th	302·3	298·1	11th	309·3	+1·4	308·8	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	310·9	314·1	7th	297·8	294·1	3rd	304·4	+1·3	..	48	− 55
738	Kaduna Junction	10 50	7 25	640	..	..	..	301·7	303·6	2, 12, 18	292·6	289·7	12th	297·2	−0·4	..	157	− 68
739	Maiduguri	11 47	13 11	361	..	..	..	312·7	315·2	2, 3, 6	298·1	294·7	10th	305·4	+1·3	..	43	− 12
740	Katagum	12 17	10 22	30·7	..	..	..	313·0	315·8	4th, 7th	298·2	295·2	18th	305·6	+1·9	..	11	− 38
742	El Obeid	13 11	30 14	585	947·1	1010·9	−0·1	312·3	314·2	5th, 18th	296·5	293·4	14th	304·4	+1·9	303·3	8	− 24
743	Khartoum	15 37	32 33	390	965·2	1007·8	−0·6	315·5	319·0	9th	298·2	295·1	18th, 19th	304·3	−0·3	303·9	0	0
744	Port Sudan	19 37	37 13	5·9	1005·6	1006·3	+1·4	310·4	316·0	1st	298·2	295·1	24th, 25th	303·1	+0·4	306·6	1	− 8
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	311·4	314·1	24th, 25th	303·1	299·1	11th, 12th	307·2	−1·5	306·9	0	0
746	Aden	12 45	45 3	28·7	1002·5	1005·7	+0·4	308·6	310·0	10th	302·5	300·1	12th	305·5	+0·6	..	0	− 2
751	Bombay	18 54	72 49	11·3	..	1003·9	−0·3	305·0	307·3	7th	300·1	297·7	22nd	302·6	+0·8	301·8	423	− 46
752	Bangalore	12 59	77 38	920	907·6	1003·3	+0·1	304·6	308·9	2nd	292·8	291·6	17th	298·7	+1·3	297·7	46	− 27
752a	Kodaikanal	10 14	77 28	2343	769·7	..	+0·1	291·9	295·4	4th	285·2	284·4	21st	288·5	+0·2	288·6	63	− 36
753	Madras	13 4	80 14	6·7	..	1003·8	−0·1	311·8	316·4	2nd	301·1	297·5	14th	306·5	+1·3	305·7	16	− 34
754	Waltair	17 45	83 16	68·9	995·0	1002·7	+0·4	305·4	312·1	5th	299·0	296·0	25th	302·2	−0·7	..	205	+ 89
755	Port Blair	11 40	92 40	17·7	1005·3	1007·3	−0·3	302·4	304·2	1st, 2nd	298·3	296·1	8th	300·4	−0·3	..	383	− 106
756	Rangoon	16 46	95 48	5·5	1006·0	1006·6	−0·1	302·8	304·9	15th	297·2	294·7	5th	300·1	−0·3	..	552	− 106
757	Saigon	10 46	106 42	11·2	1006·3	1007·5	0·0	305·5	307·2	17th, 18th	296·8	293·7	3rd	301·1	0·0	..	322	+ 8
758	Nhatrang	12 16	109 12	3·7	1005·9	1006·4	+0·1	306·1	307·7	5th	296·4	295·2	13th, 15th	301·3	−0·3	..	43	− 13
759	Bolinao	16 24	119 53	9·7	..	1007·0	−0·3	304·7	307·4	18th	297·1	294·1	20th	300·9	−0·3	300·6	487	+ 106
762	Vigan	17 34	120 23	14·7	..	1007·0	−0·5	305·1	?307·1	?28th	297·8	?294·6	?20th	301·5	+0·2	301·2	..	..
761	Manila	14 34	120 59	14·2	..	1007·7	−0·5	305·8	308·5	14th	297·0	295·7	20th	301·4	−0·5	300·4	368	+ 134
762	Ormoc	11 0	124 36	5·6	..	1008·5	0·0	304·3	306·2	16th	296·3	294·9	14th	300·3	+0·4	300·1	297	+ 96
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	304·2	305·6	27th	298·4	296·4	9th	301·3	+0·3	..	117	− 14
		N	E.															

Between Latitude 10° N. and 0°. JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·8	308·2	3rd	298·6	296·6	6th	302·2	+1·3	301·2	341	+ 86
819	Culebra	9 10	79 40	123·1	..	1010·1	−0·1	303·6	305·2	27th	295·8	294·1	6th	299·7	+0·4	..	205	− 20
819a	Colon	9 23	79 23	3·0	..	1010·3	0·0	301·9	304·1	17th	298·0	296·3	18th	299·9	+0·4	..	414	+ 74
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	22	− 24
821	Caracas	10 31	66 56	1025	899·2	..	−0·6	..	..	..	..	..	..	292·6	−1·0	..	131	+ 25
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·1	..	..	302·1	303·6	2nd	294·9	293·6	20th	298·5	..	..	261	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+1·3	302·1	303·0	sev. dates	297·0	295·8	29th	299·5	0·0	..	235	− 51
826	Paramaribo	5 49	55 9	4	..	1014·1	+0·3	..	..	..	..	..	..	299·8	+0·1	..	263	− 35
826a	Cayenne	4 56	52 21	6	..	..	..	..	304·4	3rd, 4th	295·4	294·6	26th	300·3	+0·7	301·0	254	− 140
833	Conakry	9 31	13 43	16	1011·5	1013·3	+0·6	303·8	305·8	..	295·5	291·0	..	299·7	0·0	300·3	328	− 207
834	Freetown, Sierra Leone	8 30	13 9	68·3	1006·0	1014·0	+1·3	304·3	306·1	25th	291·7	289·1	16th	298·0	−1·9	..	345	− 148
835	Cape Coast Castle	5 5	1 13	..	..	..	..	301·1	303·0	6th	295·6	292·4	13th	298·3	−0·7	..	151	− 69
836	Accra	5 35	W 0 6	18	..	..	..	302·1	304·7	1st	295·7	293·6	15th	298·9	+0·2	..	299	+ 134
837	Lagos	6 27	E 3 24	1·8	..	1013·5	+0·6	302·2	304·1	..	296·3	294·1	..	299·2	+0·3	..	603	+ 120
838	Zungeru	9 49	6 10	185·3	..	1013·2	+0·3	304·4	308·6	20th	294·9	291·3	12th, 15th	299·7	−0·3	..	174	+ 11
838a	Libreville	0 23	9 26	35	..	..	..	301·6	303·4	1st, 13th	294·3	292·8	30th	297·9	−0·3	..	10	− 3
839	Yola	9 12	12 30	259	..	..	..	306·2	309·1	7th, 21st	296·1	292·4	5th	301·1	+0·7	..	123	− 15
841	Wau	7 42	28 3	440	960·9	1009·7	−1·5	310·7	314·0	7, 8, 13	293·2	292·0	sev. dates	301·9	+2·0	301·0	110	− 51
842	Malakal (Kodok)	9 53	32 8	387·5	966·8	1010·2	+0·7	308·5	315·1	4th	294·4	292·1	11th, 14th	301·4	+1·2	299·9	114	− 19
843	Entebbe	0 5	32 29	1171	884·8	..	−0·1	298·7	301·9	29th	290·5	288·6	27th	294·6	+0·5	294·0	134	+ 9
844	Mongalla	5 11	31 47	439·0	959·9	1008·7	−0·8	305·8	311·5	2nd	295·2	293·1	11th	300·5	+0·6	298·8	77	− 37
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	125	+ 35
851	Cochin	10 0	76 21	2·7	1009·3	1009·6	−0·1	303·0	305·5	2nd	296·9	295·5	19th	299·9	+0·2	..	609	− 106
852	Colombo Observatory	6 54	79 53	7·3	1007·9	1008·7	+0·4	303·2	304·2	11th	297·9	295·9	20th	300·5	−0·2	..	261	+ 69
852a	Newera Elija	6 59	80 47	1886	..	..	..	292·4	295·4	1st	287·1	285·8	15th	289·8	+1·3	..	290	− 39
853	Trincomalee	8 34	81 14	30·2	1002·4	1005·8	+0·6	308·2	310·0	7th	299·3	296·9	13th	303·8	+1·1	..	22	− 11
855	Medan	3 35	98 41	23·5	..	1008·9	−0·8	304·7	306·6	3rd	295·4	292·6	22nd	300·1	..	299·3	140	+ 9
856	Kota Radja	5 32	95 20	7·1	..	1008·6	−1·2	..	..	..	..	..	..	..	..	..	40	− 55
857	Penang	5 34	100 20	6·3	1010·4	1011·1	+1·6	305·1	306·9	3rd	296·2	294·7	14th	300·7	−0·1	..	148	− 49
858	Singapore	1 17	103 51	3·0	1009·2	1009·5	+0·5	303·7	306·3	7th	297·4	295·9	10th	300·5	−0·1	..	222	+ 46
860	Sandakan	5 49	118 12	..	..	..	..	303·8	..	..	297·8	..	..	300·8	+0·2	..	177	− 9
861	Tagbilaran	9 38	123 51	26·2	..	1008·4	+0·2	304·5	306·6	1st	297·3	296·3	25th	300·9	−0·1	300·3	112	− 35
862	Menado	1 30	124 50	3·5	..	1008·7	+0·2	304·0	306·3	1st	296·2	295·0	15th	300·1	..	299·6	116	− 51
863	Surigao	9 48	125 29	6	..	1008·3	0·0	303·9	305·5	21, 29, 30	?297·4	?295·4	?27th	?300·7	+0·1	300·3	230	+ 107
864	Yap	9 29	138 8	31·9	..	..	..	305·7	307·4	9th	297·7	296·2	25th, 30th	301·7	..	..	195	− 50
		N	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

JUNE—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1008·9	1009·9	−0·5	..	..	..	..	..	..	..	−0·2	*301·2*	77	+ 32
906																		
923	Manaos	3 8	59 59	44·9	1004·0	1009·1	−0·1	..	308·0	..	..	296·0	..	301·3	+1·2	..	86	+ 10
925	Turyassu	1 25	45 15	15·1	1010·8	1012·5	..	..	305·6	..	..	293·0	..	298·8	..	..	245	..
929	Quixeramobim	5 16	39 15	207·0	990·9	1014·6	+0·5	..	304·2	..	..	294·3	..	298·6	−0·8	*298·6*	127	+ 84
930	Fernando Noronha	3 50	W32 20	93·0	1002·0	1012·7	0·0	..	301·8	..	..	295·0	..	298·7	+0·5	..	56	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	300·2	303·6	10th	282·6	280·2	10, 18, 30	291·4	+0·8	*293·4*	25	− 3
944	Nairobi	1 18	36 59	1661	..	..	..	295·2	296·9	27th	284·0	279·7	20th	289·6	+0·3	..	12	− 37
944*a*	Zanzibar	6 10	39 11	21·9	1015·3	1017·7	−0·5	301·8	302·8	18th	297·3	296·7	19th, 23rd	299·5	+1·0	..	22	− 23
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	305·2	306·9	4th	300·8	299·7	4th	303·0	..	..	196	+ 12
947	Seychelles, Port Office	4 37	55 27	4·6	1011·1	1011·6	0·0	302·2	303·1	3rd	299·2	298·0	23rd, 28th	300·7	+1·3	..	62	− 55
957	Padang	0 56	100 22	6·7	..	1010·4	−0·7	304·1	305·3	23rd	296·2	295·0	23rd	300·1	..	299·6	229	−111
958	Batavia	6 11	106 50	8	1009·4	1010·3	+0·4	303·7	305·1	5th	296·5	293·7	30th	300·1	+0·6	299·7	60	− 32
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+0·9	304·9	306·4	5th	296·6	294·8	20th	300·7	..	299·9	191	− 41
959	Passeroean	7 38	112 55	5·0	..	1010·8	+0·3	303·5	304·9	17th	292·7	288·5	29th	298·1	−1·0	298·1	5	− 60
960	Kajoemas	7 56	114 9	950	..	..	..	296·0	297·4	4th	289·1	287·6	15th	292·5	..	292·0	26	− 47
962	Ambon	3 42	128 10	4·2	..	1011·0	+1·0	301·1	302·5	7th	296·1	293·0	28th	298·6	+0·3	298·1	441	−183
963	Manokwari	1 10	134 20	19·0	..	1008·9	..	302·8	304·2	2nd	297·1	296·1	7th	299·9	..	299·5	262	+ 47
965	Daru	9 4	143 13	7·6	..	1009·8	−1·6	301·4	..	..	296·6	..	..	299·0	+0·1	..	70	− 35
966	Port Moresby	9 29	147 9	39·0	..	1011·5	+0·7	301·6	..	..	296·6	..	..	299·1	−0·4	..	1	− 19
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1010·2	+0·4	..	..	..	..	..	..	..	..	..	345	− 5
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·1	1009·3	−0·8	303·7	306·9	26th	297·4	296·3	5, 21, 23	300·6	+0·4	..	52	−202
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·4	1007·4	−0·9	303·0	305·1	9th	297·1	295·3	14th	300·1	−0·9	*299·4*	330	

JUNE—ZONE 10. Between Latitude 10° S. and 20° S.

		S.	W.															
1001																		+109
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	−0·9	..	303·2	..	..	293·1	..	..	+1·5	299·6	256	− 11
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·4	1015·6	−1·9	300·5	304·1	3rd	292·4	288·6	23rd	296·5	+0·4	..	58	
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	294·5	298·0	12th	286·7	285·0	21st	290·6	−0·3	*289·3*	0	− 1
1022	Arequipa	16 22	71 33	2451	761·9	..	+0·1	293·4	296·3	9th	281·9	278·7	6th	287·7	+1·2	*287·1*	0	
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	728·7	..	..	297	..	..	277	..	..	287	+0·5	..	0	− 7
1026	Cuyaba	15 35	56 0	235	992·6	1019·4	−2·5	..	306·7	..	..	292·5	..	299·8	+2·7	..	0	
1027	Bello Horizonte	19 55	43 56	857	922·9	1019·4	..	297·5	301·2	12th	286·4	278·4	12th	291·9	..	..	2	+ 4
1028	Cætite	14 2	42 37	900	916·3	1017·2	−2·0	..	300·8	..	..	283·5	13th	292·8	+0·1	*292·5*	12	
1029	Ondina	13 12	38 30	6·6	1011·7	1017·1	..	..	302·4	..	..	293·2	..	297·4	..	..	96	+ 9
1030	Aracaju	10 55	37 4	4·3	1016·0	1016·5	−0·2	..	305·4	..	..	294·0	..	298·9	+0·1	..	84	
1035	St. Helena	15 57	W 5 40	632	948·8	1020·9	+0·2	292·6	295·7	11th	285·8	283·8	22nd	289·2	+0·2	*289·0*	94	− 5
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	862·3	..	−0·5	294·4	301·3	1st	280·3	274·1	30th	287·3	+1·7	..	0	− 2
1043	Salisbury, Rhodesia	17 48	31 5	1472	861·5	..	+0·3	295·2	301·8	3rd	280·2	275·8	30th	287·7	+1·3	..	17	+ 16
1044	Zomba	15 23	35 18	899	..	1016·9	−0·5	298·7	299·7	4, 7, 10	283·7	283·0	11, 25, 29	291·2	+0·8	*289·4*	62	+ 47
1045	Sainte-Marie	17 0	49 51	15	..	..	..	297·7	299·3	16th	293·9	292·1	27th	295·8	..	*295·5*	491	..
1046	Tananarivo	18 55	47 32	1400	869·1	..	+1·5	294·8	297·6	2nd	283·6	280·4	30th	289·2	+1·1	*287·8*	1	− 6
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1013·0	+1·1	301·6	302·8	20th	297·7	295·2	30th	299·7	+0·2	..	39	−207
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·1	1009·7	+0·7	302·4	304·9	..	296·4	294·7	..	299·4	−0·4	..	291	+144
1058																		
1061	Koepang	10 10	123 34	3·3	..	1012·3	+1·1	303·7	305·9	30th	293·6	288·9	26th	298·7	..	298·2	0	− 10
1061*a*	Derby	17 18	123 40	29·6	..	1017·0	+2·4	301·8	304·9	11th	288·3	282·2	19th	295·1	−0·6	..	0	− 15
1062	Hall's Creek	18 13	127 46	373·6	..	1017·6	+1·3	299·8	303·7	7th	283·3	277·3	24th	291·6	−0·1	..	0	− 5
1063	Port Darwin	12 28	130 51	29·6	..	1013·6	+1·7	302·9	306·0	4th	292·9	289·2	18th	297·9	−1·0	297·1	0	− 4
1064	Daly Waters	16 16	133 23	210·6	..	1014·8	+0·6	301·6	305·2	5th, 6th	286·7	280·8	25th	294·1	−0·1	293·4	0	− 28
1065	Mein	12 13	142 47	121·9	..	1012·5	+0·8	301·1	304·1	6th	290·3	285·8	26th	295·7	−0·9	..	37	+ 15
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1016·5	+1·4	299·8	303·9	8th	285·1	277·4	19th	292·5	−1·0	..	25	
1067	Samarai	10 37	150 40	..	..	1015·6	+3·1	..	..	..	295·8	..	..	298·8	+0·2	..	57	−215
1068																		
1072	Suva, Fiji	18 8 S.	178 26 E.	4·3	1014·4	1014·8	−0·4	298·3	302·2	2nd	293·8	290·6	20th	296·1	−0·7	..	239	+ 83
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*½ Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. JUNE—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1012·3	1013·0	−1·0	298·2	299·7	27th	291·6	283·6	24th	294·9	0·0	..	173	+ 64
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·0	1015·4	−2·1	288·5	292·0	8th	280·2	277·0	17th	284·3	+1·3	*286·3*	126	+ 79
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1008·1	1015·8	−5·0	295·2	302·0	9th	287·5	278·2	25th	291·4	+3·1	*290·7*	93	+ 56
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	916·1	1019·1	−2·5	..	297·4	..	..	279·6	..	288·4	+3·2	..	245	+147
1128	Rio de Janeiro	22 54	W43 10	61·4	1011·3	1018·6	−2·2	..	304·0	..	..	289·5	..	..	+2·0	295·6	2	− 50
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	288·2	292·0	1st	277·7	269·7	28th	282·9	−0·5	..	5	+ 2
1142	Kimberley	28 42	24 47	1202	888·1	..	−0·2	289·9	295·3	7th	275·7	270·2	28th	282·8	−0·2	282·1	14	+ 6
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	1022·4	+0·4	290·6	294·1	19th	285·8	280·8	30th	288·2	..	..	8	− 21
1144	Lorenzo Marques	25 58	32 36	59	1012·3	1018·7	−0·3	297·8	301·8	26th	286·1	282·1	30th	292·0	+0·1	291·4	1	− 13
1147	Mauritius	20 6	57 33	54·3	1012·3	1018·7	−0·3	298·1	300·4	7th	291·8	288·7	29th, 30th	294·9	+1·0	294·6	131	+ 60
1159	Onslow	21 43	114 57	4·3	..	1017·6	+2·1	300·2	304·6	4th	284·9	278·3	22nd	292·6	+0·7	..	0	− 45
1160	Peak Hill	25 38	118 47	588	..	1019·1	+1·5	295·7	300·0	10th	281·7	276·9	30th	288·7	+1·7	..	0	− 36
1161	Nullagine	21 53	120 5	586	..	1019·4	+2·0	297·9	302·7	11th	281·4	274·0	24th	289·7	+0·2	..	0	− 27
1162	Laverton	28 40	122 23	466	..	1022·7	+2·6	293·8	299·7	11th	277·1	272·1	20th	285·4	+0·3	..	3	− 21
1163	Alice Springs	23 38	133 37	587	..	1021·9	+2·7	291·9	298·7	29th	279·1	274·1	21st	285·5	+0·1	285·7	0	− 13
1164	William Creek	28 55	136 21	76·2	..	1024·3	+4·4	292·9	297·7	11th	278·2	272·4	19th	285·5	+0·3	*285·3*	3	− 13
1165	Boulia	22 55	139 38	146	..	1019·3	+2·5	296·7	303·0	29th	..	..	..	290·8	..	..	12	+ 2
1166	Mitchell	26 32	147 52	336	..	1021·9	+3·1	292·5	294·8	15th	278·1	272·4	2nd	285·3	+0·5	..	55	+ 12
1167	Rockhampton	23 24	150 30	11·3	..	1019·4	+1·6	296·7	299·3	8th	286·1	279·7	18th	291·4	+1·0	..	135	+ 85
1168	Brisbane	27 28	153 2	41·7	..	1021·2	+3·3	293·8	297·8	8th	285·1	280·5	17th	289·4	+0·8	..	102	+ 37
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5 S.	167 53 E.	117	..	..	..	292·3	294·7	1st	287·3	283·3	26th	289·8	−0·4	..	83	− 76

Between Latitude 30° S. and 40° S. JUNE—ZONE 12.

		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	..	..	..	289·4	291·7	sev. dates	284·4	279·0	30th	286·9	+0·7	*287·4*	139	− 15
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1011·9	1016·7	−1·2	289·2	296·2	24th	282·5	278·5	16th	285·9	0·0	*285·3*	351	+207
1222	Santiago	33 27	70 42	520	955·9	1017·6	−0·5	286·3	296·3	25th	277·3	271·8	16th	281·8	+0·7	*281·6*	206	+123
1222*a*	Concepcion	36 50	73 3	15	1013·1	1014·9	..	287·2	290·0	7th	280·6	273·0	30th	283·9	..	*283·8*	395	..
1223	Cordoba	31 25	64 12	439	962·1	1013·8	−5·9	292·2	300·9	14th	279·3	272·7	23rd	285·7	+2·1	*285·1*	23	+ 16
1224	Bahia Blanca	38 45	62 15	20	1006·9	1009·3	−5·9	287·6	292·0	..	279·3	273·0	..	283·5	+1·5	..	31	+ 7
1225	Buenos Ayres	34 16	64 11	25·2	1010·1	1013·1	−5·3	290·5	296·3	14th	281·5	272·5	25th	286·0	+2·4	*286·1*	75	+ 8
1225*a*	Rio Grande	32 2	52 9	2	1013·1	1013·3	−3·8	291·4	295·4	15th	286·5	279·0	17th	288·9	+2·4	289·0	149	+ 83
1226	Montevideo	34 55	W56 13	24·9	..	1013·0	−3·9	..	296·5	14th	..	278·0	17th, 26th	..	+3·2	286·7	126	+ 60
1239	Cape Town	33 56	E18 29	12	..	..	..	290·5	298·9	23rd	281·2	275·1	28th	285·8	−0·4	..	101	− 12
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1022·3	+4·3	291·2	300·6	2nd	282·3	275·4	29th	286·7	0·0	..	144	− 28
1260	Katanning	33 42	117 35	310	..	1021·6	+4·5	293·3	296·8	2nd	279·9	273·3	21st	286·6	+2·8	..	56	− 15
1261	Coolgardie	30 57	121 10	423	..	1022·8	+3·9	291·4	294·9	2nd	278·8	274·6	28th	285·1	+0·6	..	8	− 23
1262	Eucla	31 45	128 58	4·6	..	1023·0	+4·5	292·2	301·5	11th	280·3	275·2	17th	286·2	−0·1	..	15	− 12
1263	Streaky Bay	32 48	134 13	13·1	..	1025·2	+5·8	291·1	296·8	26th	280·6	274·1	19th	285·9	+0·3	..	22	− 49
1264	Adelaide	34 56	138 35	42·7	..	1025·6	+6·5	290·7	296·0	27th	280·7	277·0	3, 16, 23	285·7	+0·8	*285·6*	17	− 61
1265	Melbourne	37 49	144 58	35·1	..	1025·2	+6·7	287·8	291·3	6th	279·9	275·6	9th	283·8	+0·6	283·3	40	− 13
1266	Bourke	30 13	145 58	110	..	1024·0	+4·2	292·0	296·6	29th	279·1	274·9	10, 13, 15	285·6	+0·5	..	3	− 25
1267	Sydney	33 51	151 13	44·5	..	1024·4	+6·5	289·8	292·0	7th, 29th	282·6	279·7	13th	286·2	+0·8	..	127	0
1268	Lord Howe Island	31 20	159 0	4·6	..	1022·2	..	291·8	294·2	6th	286·8	281·1	14th	289·3	..	..	224	+ 34
1271	Auckland	36 50	174 50	38·1	..	..	..	286·4	290·2	twice	281·0	277·2	28th	283·7	−1·3	..	84	− 34
1272	Napier	39 32 S.	176 53 E.	21·3	..	1013·6	+0·7	286·1	291·3	1st	277·7	273·3	28th	281·9	−1·3	..	3	− 88

Between Latitude 40° S. and 50° S. JUNE—ZONE 13.

		S.	W.															
1301	Chatham Island	43 52	170 42	103·6	..	1009·1	..	283·3	288·0	twice	278·7	274·7	four times	281·0	−0·3	..	125	+ 42
1302																		
1321	Isla Huafo	43 34	74 45	140	987·6	1004·6	−8·4	282·2	284·2	11th	278·5	276·0	15th	280·3	−0·6	*280·7*	211	+ 66
1322	Punta Galera	40 1	73 44	40	1005·5	1010·3	−4·5	285·5	290·0	5th	280·1	275·2	28th	282·8	+0·2	*283·0*	461	+102
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1019·5	+5·2	285·7	290·1	12th	278·7	273·6	21st	282·2	+1·0	*281·6*	8	− 48
1366	Launceston	41 27	147 10	10·1	..	1022·1	+6·5	286·6	289·0	6th	277·4	270·9	4th	282·0	+1·0	..	61	− 28
1370	Invercargill	46 25	168 21	5·5	..	..	..	282·5	287·4	23rd	275·4	272·4	16th	278·9	−0·2	..	112	+ 9
1371	Dunedin	45 52	170 31	91	..	1011·0	−1·0	282·9	289·1	30th	276·7	273·6	3rd	279·8	+0·2	..	71	− 15
1371*a*	Christchurch	43 32	172 38	7·6	..	1012·5	−1·6	283·7	289·9	1st	273·9	270·5	2nd	278·8	−0·8	..	70	− 1
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1014·0	+0·4	285·6	288·6	twice	278·8	274·0	29th	282·2	−0·7	..	98	− 23
		° ′	° ′	metres.	mb.	mb	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

JUNE—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	990·7	997·5	−5·3	283·3	283·6	8th, 28th	274·5	272·2	14th	278·9	−0·5	*277·1*	142	− 73
1422	Puerto de Punta Arenas	53 10	70 54	4	997·2	997·7	−5·3	276·1	279·2	28th	271·5	266·5	16th	273·8	−1·5	*273·8*	90	+ 33
1423	Punta Dungeness	52 24	68 26	5	995·9	996·5	−5·5	278·8	280·5	28th	274·9	271·0	14th	276·9	−0·1	*276·2*	43	+ 25
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	989·9	996·1	..	275·6	279·0	4th	272·6	267·4	13th	274·1	..	274·2	32	..
1426	Stanley, Falkland Is.	51 41	57 42	21	995·5	997·1	−5·1	277·9	280·8	26th, 28th	273·1	269·1	12, 13, 14	275·5	−0·2	275·9	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	996·2	−1·9	..	..	..	..	..	..	..	..	..	62	+ 15
1467	Macquarie Island	54 30	158 57	9·1	..	999·6	−2·4	277·7	..	..	274·1	..	..	275·9	..	..	115	− 9
		S.	W.														117	..

JUNE—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	6·7	990·9	991·8	−3·8	268·2	273·8	6th	258·9	246·0	19th	263·5	+0·7	263·9	40	+ 11
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1914.

Date	St. Helena.* 1035. Direction, in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	150	150	135	150	6·3	NE 3	NE 2	NE 4	SW 4	NE	SE 3	SE 2	Calm 0	SE 4
2	150	135	150	150	4·3	E 4	NE 3	NE 4	SW 4	NE	SE 4	SE 1	Calm 0	SE 3
3	150	..	..	..	(3·5)	NE 1	Calm 0	Calm 0	SW 4	E	SE 4	E 1	Calm 0	SE 4
4	..	..	135	135	(8·5)	N 1	Calm 0	NE 8	Calm 0	NE	SE 3	W 2	Calm 0	SE 3
5	135	135	135	135	7·9	SW 3	SW 3	N 4	SW 4	SE	SE 2	W 1	Calm 0	SE 4
6	135	..	..	..	(7·0)	NE 2	NW 3	N 4	W 4	Calm	SE 3	S 2	S 1	SE 4
7	..	..	135	120	(4·6)	NE 3	NE 3	NE 4	SW 4	E	SE 3	S 1	Calm 0	SE 4
8	135	135	135	135	3·3	SE 2	SE 2	Calm 0	W 4	E	SE 2	W 1	W 1	SE 5
9	135	135	135	135	2·0	SE 2	Calm 0	N 2	W 2	SE	SE 5	NW 2	NW 1	SE 4
10	135	135	150	150	1·7	Calm 0	Calm 0	SW 4	SW 4	E	SE 5	NW 1	NW 1	SE 4
11	150	160	135	150	1·4	E 3	E 3	Calm 0	SW 4	Variable	SE 5	SSW 2	S 1	N 2
12	150	135	135	135	2·8	E 4	E 1	N 4	SW 4	Variable	Calm 0	W 3	W 5	NE 1
13	135	..	..	..	(3·2)	NE 4	NE 4	W 4	Calm 0	Variable	SE 2	W 5	W 5	SW 1
14	..	..	150	160	(4·1)	E 4	SE 3	Calm 0	SW 4	Variable	SE 3	W 1	W 5	SE 2
15	170	160	150	135	4·8	E 4	E 3	N 4	Calm 0	E	Calm 0	W 3	W 2	SE 2
16	135	135	150	135	5·9	E 3	NE 2	NE 2	Calm 0	E	Calm 0	WNW 2	W 4	SE 3
17	135	..	..	..	(7·3)	E 2	NE 2	Calm 0	SW 4	E	SE 4	WNW 4	WNW 3	SE 4
18	..	..	120	120	(6·6)	E 3	NE 2	Calm 0	SW 4	E	SE 3	WNW 5	WNW 3	SE 4
19	110	110	90	90	6·4	E 3	ENE 4	Calm 0	SW 4	NE	Calm 0	W 4	W 3	SE 2
20	90	110	120	120	6·5	E 4	E 5	SW 2	SW 4	E	Calm 0	NW 3	NW 4	SE 2
21	135	150	135	135	5·0	E 4	NE 3	NE 8	SW 4	E	Calm 0	WSW 3	W 4	SE 1
22	150	150	150	150	3·6	E 2	Calm 0	NE 4	SW 4	E	SE 2	W 2	W 1	Calm 0
23	150	..	..	..	(6·8)	E 2	E 3	SW 2	Calm 0	SE	SE 3	W 1	Calm 0	SE 5
24	..	..	135	135	(10·4)	NE 2	Calm 0	Calm 0	Calm 0	E	SE 1	N 1	N 1	SE 2
25	135	135	135	135	8·7	Calm 0	Calm 0	Calm 0	SW 4	E	Calm 0	WNW 2	W 2	SE 2
26	135	135	110	110	7·0	E 3	NE 3	NE 4	SW 4	SE	S 2	SW 2	W 2	SE 1
27	135	120	110	120	5·1	E 2	Calm 0	Calm 0	Calm 0	SE	SE 3	SW 2	W 4	SE 2
28	120	135	135	150	7·5	E 2	E 2	Calm 0	Calm 0	E	Calm 0	S 3	W 4	SE 2
29	135	..	..	..	(9·1)	NE 2	E 2	Calm 0	Calm 0	E	SE 4	W 1	NW 1	Calm 0
30	..	..	..	..	..	SE 2	NE 2	Calm 0	SW 4	E	SE 4	N 1	Calm 0	SE 1
Mean	137	137	133	134	5·6	2·5	2·0	2·3	2·7	..	2·4	2·1	1·9	2·6
Resultant†	135°				..	80° (60)		255° (23)		90° (73)	135° (73)	275° (58)		135° (83)
Normal†	139°				6·4	110° (71)		267° (19)		87° (84)	131° (81)	109° (53)		97° (49)

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation, see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1914.

**Barents Sea.*—"An ice belt 12 miles broad, consisting of small floes, surrounded Kanin Noss. At the end of the month the ice in the eastern part of the sea was scattered, up to as far as 76° N., the edge of the polar ice being much more northerly than usual at this season. In the north-western part of the sea open water was found as far as 80½° N. at the end of the month."

**Spitsbergen.*—"Much drift ice along the whole west coast."

**Greenland Sea.*—"At the beginning of the month a firm bank of ice was observed west of Spitsbergen between 0° and 5° W."

**Iceland.*—"The ice approached the N. coast, but before the middle of the month withdrew to a distance of 40 miles."

North Atlantic and Labrador.—"The icebergs became more numerous but were still comparatively few for the season. The eastern limit was 42½° W., and the southernmost berg of the year was observed in 40° 34′ N., 47°34′ W. Icebergs and heavy masses filled Belle Isle Strait."

**Davis Strait.*—"The 'Storis' extended far south of Cape Farewell, but during the month the ice disappeared on the west coast of Greenland as far as Upernivik. Melville Bay remained covered."

**Bering Sea.*—"Drift ice occurred in Norton Sound during the middle of the month."

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JULY—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1009·5	1011·8	+0·6	..	..	..	274·5	271·7	1st	..	−1·2	*276·8*	16	− 7
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1013·0	1014·4	+0·7	..	284·7	21st	275·5	272·0	13th	..	..	277·8	0	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1014·3	1015·1	+3·5	..	299·5	4th	280·6	277·1	21st	..	0·0	*282·8*	54	+ 3
142	Mehavn	71 1	27 47	6·4	1014·2	1015·0	+2·9	..	294·5	8th	280·4	276·2	21st	..	−0·2	*282·4*	30	−26
143	Vardö	70 22	31 8	10·0	1013·5	1014·7	+2·9	..	290·4	8th	279·9	278·0	2nd	..	+0·2	*281·8*	28	−19
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

JULY—ZONE 2.

Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1008·0	1008·7	−4·0	288·0	293·0	..	280·2	271·9	..	284·1	+0·6	..	42	−16
204	Candle	65 55	161 57	? 2·4	..	..	..	292·4	300·2	11th	279·8	270·2	25th	286·1	..	..	62	..
205	Tanana	65 12	152 0	? 74	999·6	?1008·4	..	293·7	299·1	..	280·2	272·4	..	286·9	−0·8	..	60	+11
206	Rampart	65 30	150 15	? 122	..	..	..	296·9	304·7	17th	280·9	273·0	23rd	288·9	..	..	26	−15
207	Valdez	61 6	146 13	3·1	1010·0	1010·4	−5·1	289·2	296·3	..	280·1	276·9	..	284·7	−0·6	..	71	− 6
208	Eagle	64 46	141 12	250	976·2	1005·6	−3·9	293·6	299·1	..	277·3	269·1	..	285·4	−1·9	..	44	− 2
209	Dawson	64 4	139 20	328	968·5	1010·1	−3·4	292·7	297·4	6th	279·7	272·4	4th, 5th	286·2	−2·1	..	35	−16
210	Carcross	60 11	134 34	662	..	..	..	288·6	292·4	10th, 29th	277·9	273·0	5th	283·2	−2·0	..	26	− 3
211																		
212	Fort Simpson	61 52	121 35	129	993·6	1008·9	..	..	..	..	..	275·8	5th	289·2	..	..	90	+44
213	Hay River	60 51	115 20	161	988·2	1007·3	..	291·7	298·0	1st	282·6	277·4	19th	287·2	−2·2	..	82	..
214	Fort Resolution	61 10	113 50	240	..	..	..	292·6	301·9	..	282·2	275·8	..	287·4	..	..	68	..
215	Jacobshavn	69 13	51 2	12·6	1011·1	1012·6	+1·1	283·1	290·4	16th	277·4	273·7	1st	280·3	0·0	*280·3*	9	−21
226	Godthaab	64 11	51 44	9·0	1007·0	1008·1	−1·7	..	..	..	274·9	271·2	1st	..	−1·8	*277·8*	49	−10
229	Angmagsalik	65 37	37 34	31·7	1009·4	1013·3	+2·1	284·5	290·1	21st	275·3	270·0	4th	279·9	−0·3	*278·9*	97	+41
230																		
231	Stykkisholm	65 5	22 46	11·3	1011·2	1012·6	+3·1	285·9	289·1	18th	280·0	276·1	26th	282·9	−0·1	*282·6*	26	−12
232	Vestmanno	63 26	20 15	7·7	1009·6	1010·5	+1·3	287·0	294·4	26th	281·6	278·6	25th	284·3	+0·4	*284·1*	58	−23
233	Grimsey	66 33	17 58	22·0	1011·6	1012·4	+2·5	283·0	289·1	8th	277·1	274·0	2nd	280·1	−0·4	*279·8*	2	−27
234	Berufjord	64 40	14 19	25·7	1007·8	1010·9	−0·7	285·9	289·7	6th	281·1	276·8	4th	283·5	−0·2	..	50	−29
235	Thorshavn	62 3	6 45	18·0	1008·2	1010·3	−0·9	287·9	291·9	10th	283·5	280·8	4th	285·7	+1·3	..	61	+ 3
236	Lerwick	60 9	W 1 8															
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·1	1010·3	−0·9	..	302·0	5th	287·0	282·1	2nd	..	+3·2	*290·5*	87	−71
238	Christiansund	63 7	7 45	17·8	1009·2	1011·3	+0·1	..	301·2	5th	286·3	281·7	2nd	..	+2·8	*288·9*	43	−35
239	Trondhjem	63 26	10 25	39·5	1007·1	1011·8	+0·8	..	304·7	4th	286·5	279·2	2nd	..	+4·1	*291·1*	48	−19
240	Bodö	67 17	14 24	20·5	1011·0	1013·5	+2·7	..	301·6	5th	284·5	280·2	31st	..	+2·5	*288·0*	30	−41
241	Haparanda	65 50	24 9	9·2	1011·7	1012·8	+2·5	295·3	304·0	5th	286·0	280·0	31st	290·7	+2·2	*290·2*	60	+14
242	Helsingfors	60 10	24 57	11·7	1011·2	1012·7	+1·7	298·3	304·1	10th	290·6	282·9	1st	294·4	+4·7	*294·5*	12	−47
2420	Kuopio	62 54	27 40	99·7	1001·2	1011·8	+0·7	298·3	306·7	9th	288·1	282·0	1st	293·2	+3·8	*293·1*	74	+ 5
243	Kola	68 53	33 1	6·7	..	1016·9	+6·3	..	300·6	4th	..	?279·2	21st	..	+3·7	*285·3*	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1013·9	+2·9	..	307	..	..	277	..	..	+3·6	*292·8*	86	+11
245	Arkhangelsk	64 33	40 32	6·7	..	1014·2	+3·7	..	298	..	..	277	..	..	−0·8	*287·9*	18	−42
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1012·2	+3·1	..	298	..	..	274	..	..	−3·8	*283·5*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1004·2	−1·2	..	?305·5	9th	..	?286·0	30th	..	+2·2	*294·0*	..	..
262	Iakoutsk	62 1	129 43	? 108	..	?1004·3	−2·0	..	..	..	..	..	..	..	+3·1	*?294·7*	..	..
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1017·5	1018·0	+3·1	288·9	298·6	26th	281·4	277·4	8th, 17th	285·2	+1·4	..	21	− 36
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	289·6	295·8	27th	281·6	279·7	1, 10, 18	285·6	..	..	140	+ 56
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1009·8	1013·1	−3·7	288·0	296·3	..	281·9	278·6	..	284·9	−0·9	..	176	+ 74
310	Prince Rupert	54 18	130 18	52	1008·1	1015·6	−1·0	288·0	291·9	30th	283·4	281·9	3rd, 27th	285·7	−1·4	..	438	+274
311	Barkerville	53 2	121 35	1274	870·3	1015·2	0·0	290·5	296·3	31st	277·8	273·0	16th, 20th	284·1	−1·4	*284·1*	119	+ 39
312	Kamloops	50 41	120 29	380	972·2	1012·5	+0·7	302·4	308·1	3rd	286·8	279·6	21st	294·6	+0·7	*294·5*	13	− 19
313	Calgary	51 2	114 2	1033	892·6	1009·1	−2·8	300·9	307·4	31st	283·3	278·6	16th	292·1	+3·2	*292·5*	64	− 2
314	Fort Chipewyan	58 42	111 10	218	984·6	1010·0	..	294·7	302·4	13th	284·2	277·4	21st	289·4	0·0	*290·1*	86	+ 19
315	Prince Albert	53 10	106 0	437	958·7	1010·5	−0·7	298·7	306·9	12th	286·3	280·2	23rd	292·5	+2·8	*292·9*	29	+ 30
316	Qu'Appelle	50 30	103 47	645	936·7	1010·8	−1·2	301·0	309·1	27th	286·7	278·6	17th	293·8	+3·1	*294·0*	121	+ 51
317	Minnedosa	50 15	99 50	515	952·9	1012·8	+0·6	302·2	310·2	27th	286·6	278·8	22nd	294·4	+3·8	*294·1*	57	− 10
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	York Factory	57 0	92 28	16·8	1009·2	1011·2	+1·4	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1013·4	1014·5	+2·3	296·2	305·8	7th	281·8	275·2	8th, 19th	289·0	−0·8	..	40	− 1
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1009·0	1012·1	..	290·3	296·9	13th	276·8	271·3	5th	283·5	..	..	128	..
326	Point Riche	59 42	57 25	10·7	..	..	..	..	290·2	5th, 6th	..	278·6	2nd	284·8	−1·0	..	90	+ 10
327	Belle Isle	51 23	55 23	132·8	995·2	1011·4	−0·8	..	..	..	275·1	270·8	18th	278·3	..	..	57	− 69
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1010·3	1012·0	−3·5	289·9	295·8	20th	285·3	281·9	30th	287·6	−0·3	287·4	166	+ 68
335	Aberdeen	57 10	2 6	26·8	1006·9	1010·1	−2·5	289·8	296·3	21st	284·4	280·8	4th	287·1	+0·4	286·8	107	+ 37
336	Greenwich	51 28	W 0	48·5	1006·3	1012·2	−3·3	296·6	306·3	1st	285·2	280·2	5th	290·9	+0·3	289·9	36	− 24
337	Uccle	50 48	E 4 22	100	1002·9	1014·8	−1·1	295·9	303·8	1st	285·7	281·2	27th	290·8	+0·3	290·2	124	+ 46
338	De Bilt	52 6	5 11	3·0	1011·3	1011·7	−3·4	296·5	302·9	2nd, 21st	286·1	280·7	8th	291·3	+0·8	290·9	86	+ 20
338a	Hamburg	53 33	9 59	40	1005·8	1010·5	−3·3	295·9	303·4	22nd	288·7	283·0	28th	292·3	+2·2	*292·2*	166	+ 84
339	Copenhagen	55 41	12 36	5·0	1010·2	1010·8	−2·1	295·8	301·8	21st	289·5	285·1	28th	292·7	+2·9	*292·4*	98	+ 38
340	Potsdam	53 23	13 14	84·9	1000·8	1010·9	−3·5	298·5	304·7	22nd	287·6	281·7	27th	293·1	+1·7	292·2	133	+ 51
340a	Upsala	59 51	17 38	24·0	1008·7	1011·6	+0·9	300·8	306·0	17th	287·2	281·2	27th, 31st	294·0	+5·2	294·4	17	+ 52
341	Warsaw	52 13	21 2	120	..	1011·2	−2·6	..	304	..	..	281	..	..	+1·3	*293·2*	88	+ 11
342	Jurjev	58 23	26 43	74·5	1004·2	1013·0	+2·0	300·6	305·4	24th	287·2	281·0	1st	293·9	+3·9	293·9	34	− 47
343	Petrograd	59 56	30 16	4·8	..	1013·5	+2·5	..	305	..	..	284	..	..	+3·6	*294·2*	42	− 22
344	Kiev	50 27	30 30	182·9	..	1011·1	−0·8	..	303	..	..	284	..	..	+0·2	*293·0*	114	+ 30
344a	Moscow	55 46	37 40	156	..	1013·5	+0·7	..	304	..	..	284	..	..	+0·2	*293·0*	114	..
345	Saratov	51 32	46 3	59·9	..	1011·4	+1·4	..	312	..	..	285	..	..	+1·8	*297·1*	25	− 13
346	Kazan	55 47	49 8	79·8	1002·6	1012·0	+2·9	..	308	..	..	278	..	..	0·0	293·2	20	− 42
347	Orenburg	51 45	55 6	114·1	..	1011·6	+3·1	..	309	..	..	281	..	..	+0·4	*294·9*	4	− 35
348	Perm	58 1	56 16	163·0	..	1010·4	+1·8	..	302	..	..	277	..	..	−2·4	*288·6*	47	− 20
349	Ekaterinburg	56 50	60 38	288·9	..	1010·0	+0·6	..	302	..	..	275	..	..	−2·4	*287·9*	31	− 42
350	Tobolsk	58 12	68 14	108	..	1006·4	−3·5	..	300·4	2nd	..	279·9	9th	..	−5·2	*286·1*	..	..
351	Akmolinsk	51 12	71 23	? 347	..	1009·5	+1·3	..	303·6	27th	..	282·7	14th	..	−3·4	*289·8*	..	..
352	Omsk	54 58	73 23	90	..	1007·3	−0·7	..	299·8	29th	..	281·8	15th	..	−4·4	*287·8*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1006·6	−0·5	..	300·5	24th	..	284·2	15th	..	−2·6	*290·0*	..	..
354	Tomsk	56 30	84 58	121·6	..	1004·4	−2·8	..	298·4	5th	..	280·8	12th	..	−3·8	*287·2*	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1004·3	−3·5	..	301·1	7th	..	?283·7	16th	..	−2·6	*289·2*	..	..
357	Irkutsk	52 16	104 19	467	..	1007·9	+0·6	..	302·5	6th	..	281·6	2nd	..	−1·2	*289·5*	..	..
358	Kirensk	57 47	108 7	? 263	..	1006·4	−0·6	..	305·3	5th	..	283·5	22nd	..	+1·1	*292·5*	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	?302·0	6th	..	?283·1	18th	..	−0·9	*290·7*	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1007·0	+0·4	..	302·4	25th	..	285·5	4th	..	−0·2	*291·6*	..	..
361	Tygan Ourkan	54 5	124 46	? 359	962·3	1003·5	..	..	304·2	26th	282·2	278·3	5th	..	..	*291·5*	56	..
362	Blagoveshchensk	50 15	127 31	133·6	987·6	1003·1	−1·5	..	301·8	26th	282·9	281·6	3rd	..	−1·0	*293·1*	65	−58
363	Paikanskii Sklad	50 11	130 7	? 145	985·1	1002·0	..	..	302·2	10th, 26th	284·6	276·2	6th	..	..	*291·7*	73	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1001·8	1004·3	−2·5	..	299·1	26th	284·7	276·3	8th	..	+0·3	*289·7*	16	− 34
366	Okhotsk	59 21	143 17	6·0	1005·8	1006·5	−3·0	..	291·7	11th	283·7	277·8	5th	..	+0·9	*286·1*	46	−
367																		
368	Petropavlovsk Phare	52 53	158 43	87·1	995·6	1006·2	−2·6	..	293·4	15th	281·6	278·4	5th	283·8	−0·4	..	*?17*	+ 38
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. JULY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·9	1018·4	+1·7	292·7	299·8	17th	284·0	282·0	6th	288·3	−0·1	287·6	0	− 9
412	Portland, Oregon	45 32	122 41	46·6	1011·9	1017·3	+0·3	299·7	307·4	18th	286·9	283·0	21st	293·3	+1·1	*293·2*	0	− 15
413	Macleod	49 44	113 24	954	..	..	..	301·6	309·9	1st	283·8	278·6	16th, 17th	292·7	+1·5	*293·1*	4	− 47
414	Helena	46 34	112 4	1253	875·5	1014·5	+1·1	302·1	306·9	19th	285·6	281·9	1st	293·8	+0·7	*293·1*	5	− 24
414a	Salt Lake City	40 46	111 54	1329	868·9	1013·9	+1·9	303·3	308·6	8th	290·7	286·3	23rd	297·0	−0·9	*296·7*	30	+ 17
415	Cheyenne	41 8	104 48	1856	817·9	1015·6	+2·9	299·3	303·0	26th	285·2	279·1	1st	292·3	−0·6	*292·1*	33	− 17
416	North Platte	41 8	100 45	859	919·0	1015·9	+2·5	304·9	310·8	11th	290·0	282·4	1st	297·5	+1·0	*297·3*	15	− 56
416a	Bismarck	46 47	100 38	510·6	955·8	1014·9	+1·1	303·1	309·7	26th	288·8	282·4	19th	295·9	+1·6	*295·8*	52	− 5
417	Winnipeg	49 53	97 7	231·6	985·4	1012·8	+0·1	301·8	307·7	5th	288·9	281·5	17th	295·3	+3·3	*294·6*	181	+104
418	Duluth	46 47	92 6	345·1	975·3	1015·9	+1·9	296·8	303·6	25th	286·3	280·2	18th	291·6	+0·8	*291·6*	76	− 27
419	Port Arthur	48 27	89 12	196·3	991·9	1015·9	+2·2	296·4	304·1	20th	284·9	278·0	18th	290·7	+0·9	*290·6*	58	− 38
420	Chicago	41 53	87 37	250·9	986·9	1016·2	+1·0	300·4	310·2	23rd	293·4	288·0	19th	296·9	+1·3	*296·6*	54	− 34
421	Toronto	43 40	79 24	115·5	1001·7	1015·3	+1·1	299·9	306·7	11th	288·8	281·8	20th	294·3	+1·2	294·1	25	− 52
422	New York (Central Park)	40 46	73 58	29·6	1011·5	1014·9	−0·7	299·4	305·8	26th	291·1	286·3	7th	295·3	−2·3	294·7	139	+ 29
423	St. John, N.B.	45 17	66 4	? 22	1011·8	1014·9	+1·4	292·3	297·3	25th	284·3	281·3	2nd	288·3	−0·5	*287·9*	64	− 28
424	S. W. Point, Anticosti	49 24	63 35	9·1	1010·5	1011·8	+1·4	290·7	295·2	8th	280·9	275·2	2nd	285·8	−0·9	..	18	− 65
425	Sable Island (Main Station)	43 57	60 6	7·6	1016·6	1017·6	+1·5	288·7	292·4	24th	283·7	279·7	6th	286·2	−2·0	..	57	− 39
426	St. Johns, Newfoundland	47 34	52 42	38·1	1008·4	1013·2	−0·2	290·5	300·8	19th	282·2	276·9	2nd	286·3	−1·6	..	105	+ 15
435	Madrid	40 24	3 41	655·4	940·5	1013·9	−0·9	305·4	310·2	18th	287·4	281·7	7th	296·4	−1·0	296·1	7	− 3
436	Nantes	47 15	W 1 34	41·4	1010·4	1015·3	−2·9	295·0	302·0	10th	286·2	281·0	4th	290·6	−1·4	290·3	87	+ 30
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1007·9	1013·9	−3·1	295·7	304·8	1st	285·4	281·9	31st	290·5	−0·8	290·5	92	+ 40
438	Marseilles	43 18	5 23	75	1004·5	1013·4	−1·7	298·7	302·7	11th	289·0	286·1	29th	293·9	−2·3	293·0	46	+ 18
438a	Zurich	47 23	8 33	493·2	957·8	1015·0	−2·4	296·1	304·2	1st	284·9	281·0	30th	290·5	−2·0	289·5	107	− 22
439	Rome	41 54	12 28	50·6	1007·2	1012·8	−2·2	301·5	305·3	22nd	291·5	289·1	5th	296·5	−0·9	*296·5*	6	− 13
440	Vienna	48 15	16 22	202·5	987·7	1011·8	−3·0	295·3	300·6	7th	287·3	283·4	8th	291·3	−1·4	291·1	134	+ 64
440a	Buda-Pesth	47 30	19 2	129	996·2	1011·4	−2·8	299·0	306·2	23rd	287·8	282·6	29th	293·4	−1·5	292·9	179	+126
441	Bucharest	44 25	26 6	82	999·9	1009·5	−3·3	301·5	305·8	23rd	289·2	284·4	1st	295·4	−0·6	295·2	82	+ 15
443	Odessa (University)	46 29	30 44	65	..	1009·8	−2·8	..	303	..	..	286	..	..	−0·1	*295·3*	89	+ 40
444	Kharkov (University)	50 0	36 14	140	..	1011·4	−0·9	..	303	..	..	285	..	..	+0·6	*293·6*	111	+ 45
444a	Novorossiisk	44 44	37 49	37	..	1008·4	−3·1	..	304	..	..	288	..	..	+1·0	*297·0*	32	− 24
445	Tiflis	41 43	44 48	409	..	1008·0	−3·2	..	307	..	..	288	..	..	+0·4	*297·8*	56	+ 6
446	Astrakhan	46 21	48 2	−14	..	1009·2	−1·3	..	309	..	..	284	..	..	+0·1	*298·4*	6	− 7
447	Fort Alexandrovsk	44 31	50 16	24	..	1007·9	−2·7	..	307·5	3rd	..	293·6	1st	..	−0·7	*297·8*	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1005·4	−3·7	..	311	..	..	294	..	..	+0·5	*302·0*	..	..
449	Tachkent	41 20	69 18	478·3	..	1003·4	−0·5	..	310·2	10th	..	292·0	2nd, 4th	..	−0·2	*299·5*	..	..
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	998·5	1003·5	−0·6	302·5	309·0	13th	293·3	289·2	2nd	297·9	−0·3	297·3	216	+ 59
462	Joshin	40 40	129 11	4·0	1003·9	1004·4	−2·6	297·4	307·0	29th	292·2	289·3	10th	294·8	+1·7	294·5	241	+118
463	Vladivostok	43 7	131 55	26·8	1002·3	1005·4	−3·7	..	302·5	31st	289·6	286·8	4th	..	+1·1	*292·5*	174	+101
464																		
465	Ochiai	47 20	142 44	6·6	1005·3	1006·1	−4·1	293·5	299·8	12th	283·2	276·6	27th	288·3	+0·9	288·1	77	− 29
466	Nemuro	43 20	145 35	26·7	1004·3	1007·5	−2·8	290·9	298·6	31st	284·2	279·5	8th	287·5	−0·1	287·2	107	+ 22
		N.	E.															

Between Latitude 40° N. and 30° N. JULY—ZONE 5 (Western Half).

		N.	W.															
511	San Francisco	37 48	122 26	47·2	1009·7	1015·2	+0·9	289·7	295·8	14th	284·1	282·4	8th	286·9	−0·7	*286·4*	1	0
512	San Luis Obispo	35 18	120 39	61·3	1008·7	1016·9	+2·5	297·2	300·8	8th	284·5	281·9	8th	290·8	−0·7	*289·2*	0	0
513	Modena	37 48	113 54	1670	836·4	1013·9	+2·4	301·4	305·2	8th	285·7	280·2	22nd	293·5	−1·2	*292·7*	38	+ 1
514	San Diego	32 43	117 10	26·5	1011·0	1014·2	+1·3	294·0	295·8	8th	289·5	288·6	29th	291·7	−0·9	*291·5*	0	− 1
515	Santa Fé	35 41	105 57	2138	792·4	1013·5	+1·9	298·1	303·0	31st	286·8	284·7	24th	292·5	−1·5	*291·9*	101	+ 35
516	Denver	39 45	105 0	1613	841·5	1015·9	+3·2	302·1	307·4	8th	288·5	283·0	22nd	295·3	−0·7	*294·4*	38	− 5
517	Abilene	32 23	99 40	529·6	954·7	1013·9	+0·7	308·6	313·0	31st	295·2	293·0	23rd	301·9	+0·6	*301·5*	27	− 27
518	Saint Louis	38 38	90 12	173·1	995·1	1015·2	0·0	306·7	311·9	11th	296·1	291·3	30th	301·4	+2·3	*301·5*	39	− 51
519	Mobile	30 41	88 2	17·4	1014·6	1016·6	+0·3	304·9	309·1	6th	296·4	293·6	15th	300·7	+0·2	*300·1*	131	− 50
520	Nashville	36 10	86 47	166·4	997·0	1016·2	+0·1	306·4	311·9	12th	294·4	289·1	31st	300·4	+0·6	*299·9*	66	− 39
521	Charleston	32 47	79 56	14·6	1015·0	1016·6	−0·2	304·1	308·6	25th	296·4	293·6	30th	300·3	−0·2	*300·2*	181	+ 7
522	Washington	38 54	77 3	34·1	1011·3	1015·2	−0·2	302·4	309·7	23rd	292·4	286·3	30th	297·4	−0·8	*297·1*	59	− 57
523																		
524	Bermuda	32 18	64 46	46·0	1016·0	1021·4	+1·5	301·3	303·4	30th	295·6	293·4	7th	298·5	−0·6	..	44	− 72
531	Horta	38 32	28 38	28	1022·3	1025·1	+0·4	296·9	299·3	29th	292·3	289·0	6th	294·6	−0·5	*293·9*	25	− 39
532	Ponta Delgada	37 44	25 40	17	1023·1	1024·3	0·0	296·1	297·9	16th	291·5	289·3	18th	293·8	−0·2	*293·1*	35	− 6
533	Madeira (Funchal)	32 37	16 54	25	1018·2	1021·1	+0·9	296·3	298·0	6th	291·8	289·7	7th	294·1	−0·4	*294·2*	2	− 1
535	Lisbon	38 43	9 9	95	1006·0	1017·2	−0·2	298·1	305·4	17th	289·4	285·7	7th	293·7	−0·9	*293·3*	2	− 2
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1014·5	1016·3	+0·8	300·1	303·6	30th	291·3	289·1	7th	295·7	−1·0	*295·1*	0	− 1
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	975·6	1015·1	−0·7	299·2	304·6	20th	291·9	290·0	9th	295·5	−0·8	295·1	0	− 4
538	Palma	39 34	2 38	23	1013·0	1015·6	−1·8	301·3	305·0	1st, 3rd	293·5	290·2	31st	297·4	−0·6	..	23	+ 12
538*a*	Tunis	36 48	10 10	33	..	1014·5	−0·8	303·7	312·0	30th	293·2	290·0	5th	298·5	−0·8	*298·4*	0	− 4
539	Malta	35 54	14 31	58·8	..	1014·4	−1·4	298·8	304·8	17th	292·8	292·2	19th	295·8	−2·5	..	0	− 1
540	Riposto	37 41	15 14	14·2	..	1014·1	−1·1	301·0	303·0	8th	293·8	291·5	6th	297·4	−1·3	*296·6*	0	− 8
541	Athens	37 58	23 43	107·1	997·0	1009·4	−2·0	303·8	306·5	24th	294·5	290·3	12th	299·2	−1·0	298·8	13	+ 6
542	Alexandria	31 9	29 54	32·0	1006·2	1009·9	+0·3	302·8	304·3	23, 24, 25	295·0	292·8	19th	298·9	−0·7	*297·7*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	996·2	1009·4	−0·2	307·7	313·2	6th	293·9	291·5	1st	300·8	−0·2	*299·9*	0	0
544	Nicosia	35 11	33 22	152	..	1007·3	+0·5	308·8	313·0	25th	291·7	286·9	3rd, 4th	300·2	−1·0	..	4	+ 2
544*a*	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	993·9	998·4	−1·6	314·6	318·6	28th	298·2	295·3	30th	306·4	−1·3	..	0	0
546	Lenkoran	38 46	48 52	−19	..	1007·8	−2·1	..	304	..	..	291	..	..	+1·0	*299·1*	0	− 21
547	Busrah	30 31	47 53	7·6	996·0	997·0	−2·4	311·8	316·1	28th	298·3	295·8	7th	305·1	−1·6	..	0	0
548	Meshed	36 16	59 35	946	898·8	999·2	..	308·3	311·2	10th	286·0	282·4	2nd	297·1	−1·1	..	0	− 2
549	Quetta	30 11	67 3	1677	824·2	..	−2·0	307·8	312·1	21st	292·2	287·4	8th	300·0	+1·1	..	19	0
550																		
551	Lahore	31 34	74 20	214·0	972·8	994·9	−1·4	308·3	315·6	1st	300·4	296·8	30th	304·3	−1·1	*303·7*	280	+141
551*a*	Simla	31 7	77 8	2205	775·7	..	−1·1	292·4	295·4	1st	289·2	287·5	4th, 5th	290·8	−0·3	..	492	+ 61
552	Leh	34 10	77 42	3503	663·5	..	−1·2	296·8	301·8	20th	284·4	281·2	30th	290·6	0·0	..	36	+ 24
552*a*	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	653	− 33
559	Hang Kow	30 35	114 17	37·0	998·2	1002·3	−1·8	309·4	312·5	26th	300·4	295·3	2nd	304·9	+2·7	*304·1*	17	−167
560	Tiensin	39 10	117 10	5·0	1002·9	1003·4	−0·6	303·2	308·7	23rd	296·0	290·9	9th	299·6	−0·5	*299·1*	367	+193
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1003·3	−1·5	308·1	311·7	29th	298·1	296·3	7th	303·1	+2·0	301·9	85	− 65
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1006·0	−0·4	301·4	307·7	26th	295·3	290·8	5th	298·3	+1·0	297·9	155	−227
562*a*	Nagasaki	32 44	129 52	133·0	993·3	1008·5	+0·7	304·4	308·3	24th	297·7	296·1	3rd	301·0	+1·8	300·4	16	− 38
563	Kioto	35 1	135 44	42·9	1003·8	1008·7	+0·4	305·7	308·7	24th	295·1	289·9	8th	300·4	+2·1	300·0	170	−113
564	Tokio	35 41	139 45	21·3	1005·5	1007·9	−1·0	303·0	307·5	30th	294·6	291·1	12th	298·8	+1·5	298·5	26	+ 24
565	Miyako	39 38	141 59	30·4	1003·8	1007·3	−2·1	298·5	308·9	30th	290·3	284·6	8th	294·4	+0·9	293·6	167	
566																		
		N.	E.															

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·1	1015·4	−1·5	301·3	302·4	..	296·1	294·1	..	298·7	+0·4	..	11	− 19
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·8	1016·9	+1·2	303·8	307·4	7th	298·9	296·3	11th	301·3	−0·6	*300·7*	33	− 65
618	New Orleans	29 58	90 4	15·5	1014·5	1016·2	+0·2	305·4	308·6	1st	296·8	294·1	18th	301·1	−0·1	*300·3*	233	+ 67
619	Havana	23 8	82 22	24·3	..	1017·5	+1·1	305·3	306·2	16th	297·2	295·5	22nd	301·3	+1·1	*301·0*	60	− 64
620	Key West	24 33	81 48	6·7	1016·3	1016·9	+0·1	304·6	305·8	21st	298·7	296·3	25th	301·7	+0·1	*301·8*	51	− 35
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·8	+0·8	303·8	305·5	31st	297·7	294·4	8th	300·8	+0·2	..	118	− 29
622																		
633	La Laguna	28 28	16 20	547	955·5	1018·1	−0·5	296·2	302·3	19th	288·1	285·9	8th	292·1	−1·3	..	14	+ 10
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	298·9	302·6	27th	281·1	273·5	6th	290·0	+0·7	..	0	0
637	Insalah	27 8	E 2 27	280	..	..	..	326·7	329·3	19th	304·0	301·2	7th	315·3	+4·9	*315·3*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	313·0	317·3	27th	295·7	292·3	1st	304·3	+0·6	*304·4*	..	..
643	Tor	28 13	33 37	1·9	1005·5	1005·7	+0·9	306·8	311·6	8th	297·0	292·9	7th	301·9	+0·2	*300·6*	..	..
644	Aswan	24 2	32 53	99·6	995·9	1007·0	−0·6	314·0	316·8	27th	297·9	295·2	1st	305·9	−0·4	*305·2*	..	..
647	Bushire	28 59	50 53	4·3	995·6	996·3	−0·9	305·8	309·6	29th	301·8	298·6	5th	303·8	−1·3	..	0	0
648	Jask	25 44	57 47	4·0	995·0	995·4	−1·3	309·2	312·2	9th	303·9	302·6	31st	306·6	+1·0	..	0	0
649	Kurrachee	24 53	66 57	4·0	997·0	997·5	−2·1	304·2	306·1	7th	300·2	297·9	24th	302·2	−0·9	..	50	− 29
650	Hyderabad, Sind	25 24	68 18	29·3	992·3	995·2	−2·1	308·9	313·6	10th	300·8	298·0	24th	304·8	−0·5	..	42	− 32
651	Jaipur	26 56	75 52	436·5	949·5	995·0	−2·4	306·7	312·0	12th	299·0	294·8	12th	302·9	−0·4	*302·1*	445	+245
652	Nagpur	21 8	79 5	310·2	962·2	999·5	−2·7	303·8	308·6	7th	297·3	295·7	12th	300·6	0·0	..	315	− 50
653	Allahabad	25 25	81 51	94·1	986·1	995·3	−2·4	305·5	312·8	1st	298·9	296·4	8th	302·2	−0·9	*301·6*	558	+259
654	Calcutta	22 36	88 23	6·4	..	996·8	−2·4	304·2	308·0	1st	299·3	297·9	7th	301·7	+0·1	*301·6*	426	+ 99
655	Gauhati	26 8	91 41	59·7	993·8	1000·5	−1·6	306·3	310·1	11th	298·7	296·1	21st	302·5	+0·6	..	340	+ 35
655*a*	Cherrapunji	25 15	91 42	1314	861·6	..	−1·6	296·0	301·2	10th	291·5	287·3	31st	293·7	+0·3	..	1586	−958
656	Shillong	25 33	91 48	1500	842·9	..	−1·6	297·8	300·9	11th	291·3	285·5	13th	294·5	+0·6	..	348	− 40
656*a*	Akyab	20 11	92 56	6·1	1001·2	1002·0	−1·9	302·4	306·6	10th	297·9	294·9	16th	300·1	−0·1	..	1501	+161
657	Phu Lien	20 48	106 37	115·6	987·9	1001·0	−1·7	303·9	307·4	8th	298·0	295·5	4th	301·0	−0·6	*300·7*	517	+253
658	Moncay	21 31	107 51	9	1000·0	1001·0	−1·4	303·8	307·0	8th	297·7	296·2	5th	300·7	−0·8	*300·0*	936	+374
659																		
660	Hong Kong	22 18	114 10	33·2	999·5	1003·2	−1·7	303·5	306·4	25th	298·6	296·6	30th	301·1	0·0	300·7	668	+349
661	Taihoku, Formosa	25 2	121 31	9·3	1002·3	1003·3	−2·3	305·8	310·1	26th	297·1	295·4	17th	301·5	0·0	301·0	474	+249
662	Naha	26 13	127 41	10·5	1003·8	1005·0	−1·4	305·1	307·8	10th	298·4	296·6	21st, 22nd	301·7	+0·6	301·5	303	+117
		° N. ′	° E. ′	metres.	mb.	mb	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JULY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	781·9	..	+1·2	296·9	298·5	7th, 8th	284·8	283·0	23rd	290·9	+0·1	289·9	72	− 43
718*a*	Oaxaca	17 4	96 44	1563	848·2	..	..	301·5	305·0	9th	287·0	284·9	14th	294·3	..	*293·2*	21	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·6	..	..	298·0	..	..	..	..	131	−122
720	San Salvador	13 44	89 9	657	939·0	1011·6	+0·3	304·3	306·1	12th	296·3	294·3	1st	300·3	+0·5	*299·8*	64	− 86
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·2	+0·8	304·3	306·1	12th	296·3	294·3	28th	300·3	+0·9	301·5	83	+ 21
722	Port au Prince	18 34	72 22	37·4	1011·7	1016·0	+1·5	308·5	310·4	5th	296·8	293·9	24th	302·7	+0·9	301·5	83	+ 21
723	St. Croix (Christiansted)	17 45	64 42	6·6	1015·8	1016·5	+1·0	303·2	304·9	18th	297·9	296·5	14th	300·5	−0·4	..	26	− 62
724	Grenada (Richmond Hill)	12 5	61 46	155·1	996·1	1013·9	+0·8	301·9	303·6	24th	296·6	295·2	13th, 29th	299·3	+0·2	*298·6*	171	− 78
725	Barbados	13 8	59 36	55·2	..	1015·7	+1·1	302·2	303·6	21st	298·1	294·3	18th	300·1	+0·7	*299·9*	75	− 67
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·4	1015·6	+1·5	298·7	299·8	21st, 28th	293·5	292·2	13th	296·1	−1·4	*296·3*	0	− 6
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·5	1014·4	+0·1	300·5	301·8	28th	296·4	294·4	5th	298·4	−0·3	*298·4*	49	+ 39
733	Bathurst	13 24	16 36	1·5	..	1012·7	0·0	303·1	305·2	4th	296·0	293·0	2nd	299·5	0·0	*299·9*	96	−188
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	310·1	311·9	1, 3, 4	..	..	..	303·6	..	..	78	−118
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	294·3	294·0	17, 20, 30	300·8	..	..	165	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	311·9	316·2	9th	298·8	294·8	11th	305·3	−0·4	*304·4*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	..	..	..	296·7	310·8	1st, 15th	296·1	294·1	9, 19, 24	301·4	+1·0	..	167	+ 4
738	Kaduna Junction	10 50	7 25	640	..	..	..	..	..	..	300·3	303·0	8th, 13th	292·8	290·2	14, 21, 24	296·6	−0·4	..	58	−174
739	Maiduguri	11 47	13 11	361	..	..	..	..	..	..	309·3	316·9	6th	297·4	293·6	20th, 21st	303·4	+1·8	..	54	−109
740	Katagum	12 17	10 22	30·7	..	..	..	..	..	..	297·2	314·7	3rd	295·8	293·0	29th	301·5	+0·6	..	210	+ 79
742	El Obeid	13 11	30 14	585	948·1	1012·7	+0·1	308·1	311·8	3rd, 4th	294·7	290·9	10th	301·4	+0·4	*300·5*	95	+ 5
743	Khartoum	15 37	32 33	390	966·4	1009·4	+0·7	311·6	314·4	7th	297·9	293·9	10th	304·7	−0·7	*303·8*	30	− 7
744	Port Sudan	19 37	37 13	5·9	1003·9	1004·6	+0·8	313·7	318·6	8th	299·6	295·8	6th	306·6	−0·9	*305·3*	22	+ 10
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	312·4	314·7	6th	305·9	304·1	13th	309·1	−0·3	*309·0*	0	− 2
746	Aden	12 45	45 3	28·7	999·5	1002·7	−1·3	307·6	310·8	20th	300·2	298·2	5th	303·9	−0·2	..	0	− 1
751	Bombay	18 54	72 49	11·3	..	1002·4	−1·3	302·6	304·9	3rd	298·9	296·8	25th	300·7	+0·4	*299·8*	770	+131
752	Bangalore	12 59	77 38	920	926·6	1004·4	−0·5	300·7	306·3	1st	292·3	290·8	25th	296·5	+0·2	*295·3*	99	− 7
752*a*	Kodaikanal	10 14	77 28	2343	768·2	..	−0·8	289·3	293·2	2nd	284·3	282·7	25th, 26th	286·8	−0·5	*286·8*	92	− 45
753	Madras	13 4	80 14	6·7	..	1003·5	−1·0	309·0	313·2	2nd, 7th	299·6	297·2	15th	304·3	+0·6	*303·3*	66	− 32
754	Waltair	17 45	83 16	68·9	992·4	1000·1	−1·9	304·2	310·4	7th	298·5	296·3	30th	301·3	−0·4	..	85	− 17
755	Port Blair	11 40	92 40	17·7	1004·3	1006·3	−1·4	302·1	303·3	4th, 12th	298·0	295·4	24th	300·1	−0·4	..	793	+394
756	Rangoon	16 46	95 48	5·5	1004·6	1005·3	−1·3	302·3	305·1	26th	297·0	295·6	30th	299·7	−0·3	..	829	+297
757	Saigon	10 46	106 42	11·2	1005·9	1007·1	0·0	303·7	305·8	29th	296·2	294·1	31st	299·9	−0·7	..	364	+ 67
758	Nhatrang	12 16	109 12	3·7	1004·0	1004·5	−0·5	306·0	309·8	15th	297·0	294·7	3rd	301·5	−0·1	..	53	0
759	Bolinao	16 24	119 53	9·7	..	1005·5	−0·4	303·6	306·1	19th	297·1	295·2	27th	300·3	−0·2	*299·7*	800	+145
760	Vigan	17 34	120 23	14·7	..	1005·5	−0·6	303·2	305·2	1st	297·1	294·7	26th	300·1	0·0	300·1	1087	+427
761	Manila	14 34	120 59	14·2	..	1006·7	−0·5	304·6	306·5	31st	297·4	295·7	17th	301·0	0·0	300·0	399	0
762	Ormoc	11 0	124 36	5·6	..	1007·8	0·0	303·8	305·2	3rd	297·0	294·3	30th	300·4	+1·0	300·5	154	−134
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·5	304·0	29th	297·2	294·2	24th	299·9	−0·4	..	644	+303
		N.	E.															

JULY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	306·2	309·7	21st	298·7	296·8	28th	302·5	+1·7	*301·6*	273	+ 58
819	Culebra	9 10	79 40	123·1	..	1009·8	−0·6	304·7	306·9	6th	296·3	294·1	28th	300·5	+1·3	..	134	−106
819*a*	Colon	9 23	79 23	3·0	..	1013·2	−0·3	302·4	304·1	3rd	298·6	296·3	15th	300·5	+0·9	..	273	−134
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	13	− 27
822	Caracas	10 31	66 56	1025	900·4	..	+0·2	..	..	..	..	..	..	292·5	−0·7	..	34	− 79
823	El Peru, Guayanavieja	7 30	62 0	? 300	987·4	..	..	302·2	303·1	26th	294·6	293·6	13th	298·4	..	..	95	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·2	+2·5	302·7	303·8	27th	296·8	295·2	20, 30, 31	299·7	+0·1	..	136	−115
826	Paramaribo	5 49	55 9	4	..	1015·3	+1·4	..	..	..	..	..	..	299·5	−0·5	..	230	+ 25
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·1	306·2	17th	295·4	294·0	25th	299·7	−0·2	*299·7*	192	+ 16
833	Conakry	9 31	13 43	16	1012·9	1014·7	+0·8	302·2	304·8	..	295·4	293·4	..	298·8	+0·2	*299·0*	1386	− 38
834	Freetown, Sierra Leone	8 30	13 9	68·3	1006·7	1014·6	+1·3	302·2	306·9	3rd	291·9	289·7	22nd	297·1	−2·0	..	686	−187
835	Cape Coast Castle	5 5	1 13	..	..	..	..	299·3	302·4	17th	293·8	290·8	29th	296·5	−1·8	..	23	− 32
836	Accra	5 35	W 0 6	18	..	..	..	300·8	302·4	3rd	295·2	294·1	1st	298·0	+0·2	..	6	− 30
837	Lagos	6 27	E 3 24	1·8	..	1015·6	+1·8	301·2	304·1	..	294·9	293·0	..	298·1	−0·1	..	246	− 23
838	Zungeru	9 49	6 10	185·3	..	1013·1	−0·4	303·2	305·8	9th	295·6	293·0	22nd	299·4	+0·4	..	59	−136
838*a*	Libreville	0 23	9 26	35	..	..	..	304·3	306·3	1, 7, 11	295·8	292·4	13th	300·1	+1·1	..	131	− 30
839	Yola	9 12	12 30	259	961·2	1010·0	−1·8	310·5	313·0	24th, 29th	293·3	292·0	sev. dates	301·9	+2·5	*300·7*	210	+ 24
841	Wau	7 42	28 3	440	968·0	1011·4	+1·0	304·9	309·7	2nd	294·0	291·6	11th	299·4	+0·8	*297·9*	259	+113
842	Malakal (Kodok)	9 53	32 8	387·5	885·4	..	+0·2	297·9	300·2	11th	289·1	288·0	9th	293·5	−0·1	*293·2*	72	+ 2
843	Entebbe	0 5	32 29	1171	961·1	1009·8	+0·6	303·9	306·7	26th	294·1	293·1	sev. dates	299·0	−0·1	*297·2*	188	+ 67
844	Mongalla	5 11	31 47	439·0	..	..	..	..	..	..	..	..	..	..	..	..	128	− 1
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..		
851	Cochin	10 0	76 21	2·7	1009·3	1009·6	−0·7	301·9	303·4	20th	296·4	295·2	25th	299·2	+0·1	..	579	− 2
852	Colombo Observatory	6 54	79 53	7·3	1007·8	1008·6	+0·5	303·0	303·8	20th	298·0	295·6	7th	300·5	+0·1	..	96	− 34
852*a*	Newera Elija	6 59	80 47	1886	..	..	..	291·2	294·2	30th	286·6	285·6	17th, 30th	288·9	+1·0	..	300	− 3
853	Trincomalee	8 34	81 14	30·2	1002·0	1005·4	−0·2	308·8	310·3	27th	299·2	298·4	25, 26, 31	304·0	+1·4	..	6	− 49
856	Medan	3 35	98 41	23·5	..	1008·2	−1·5	305·5	308·6	28th	294·5	290·9	22nd	300·0	..	*299·4*	19	−115
856	Kota Radja	5 32	95 20	7·1	..	1008·2	−1·7	..	..	..	..	..	..	..	..	..	92	− 19
857	Penang	5 34	100 20	6·3	1009·3	1010·0	+0·4	304·9	306·3	11th	296·3	294·7	25th	300·6	0·0	..	139	− 56
858	Singapore	1 17	103 51	3·0	1009·2	1009·5	+0·5	303·8	305·2	11th	298·1	295·2	21st	300·9	+0·5	..	101	− 71
860	Sandakan	5 49	118 12	..	..	..	..	305·8	..	..	298·9	..	..	302·3	+1·7	..	113	− 55
861	Tagbilaran	9 38	123 51	26·2	..	1007·9	+0·1	305·0	307·5	15th	297·8	295·8	31st	301·4	+0·6	300·9	..	..
861*a*	Menado	1 30	124 50	3·5	..	1008·2	−0·3	304·9	306·3	21st	296·5	292·0	4th	300·7	..	300·2	0	−125
862	Surigao	9 48	125 29	6	..	1007·4	−0·2	305·1	306·6	12th	298·1	295·8	29th	301·6	+0·7	301·1	97	− 49
863	Yap	9 29	138 8	31·9	..	..	..	303·8	306·2	30th	296·9	295·3	23rd	300·3	..	..	277	−113
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·3	1010·3	−0·3	..	..	..	..	..	..	..	+0·5	*301·7*	26	− 23
906																		
923	Manaos	3 8	59 59	44·9	1005·2	1010·3	+0·8	..	307·2	..	..	296·8	..	300·9	+0·6	..	21	− 16
925	Turyassu	1 25	45 15	15·1	1012·1	1013·8	..	..	304·7	..	..	292·3	10th	298·9	..	..	47	..
929	Quixeramobim	5 16	39 15	207·0	992·2	1015·9	+1·3	..	304·0	..	..	293·5	..	298·6	−0·8	*298·6*	39	+ 22
930	Fernando Noronha	3 50	W32 20	93·0	1003·7	1014·5	+1·4	..	301·1	..	..	294·6	..	297·9	+0·2	..	16	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	300·0	302·4	21st	282·8	279·7	9th	291·4	+0·6	*293·4*	19	− 12
944	Nairobi	1 18	36 59	1661	..	..	..	293·6	297·2	7th	282·9	278·6	9th	288·3	−0·2	..	21	+ 7
944*a*	Zanzibar	6 10	39 11	21·9	1016·5	1019·0	−0·1	301·2	301·9	10th	296·3	295·3	26th	298·8	+1·0	..	6	− 65
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	305·8	306·9	16th	300·8	299·7	1st	303·3	..	..	20	− 61
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·3	−0·2	300·8	302·0	1st	297·9	296·8	7th	299·4	+0·8	..	27	− 38
957	Padang	0 56	100 22	6·7	..	1010·1	−1·2	304·8	306·0	6th	296·0	293·9	24th	300·4	..	299·8	36	−257
958	Batavia	6 11	106 50	8	1009·8	1010·7	+0·5	303·8	304·9	29th	295·3	293·7	23rd	299·6	+0·5	299·4	0	− 66
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+1·0	304·6	305·8	26th	295·7	293·0	23rd	300·1	..	299·5	26	−137
959	Passeroean	7 38	112 55	5·0	..	1011·5	+0·6	302·1	303·9	5th	290·6	287·5	22nd	296·3	−1·9	296·8	0	− 32
960	Kajoemas	7 56	114 9	950	..	..	..	295·7	297·3	3rd	287·7	286·5	22nd	291·7	..	291·1	0	− 37
962	Ambon	3 42	128 10	4·2	..	1012·3	+1·7	300·3	301·6	5th	295·0	292·7	20th	297·7	−0·2	297·3	120	−469
963	Manokwari	1 10	134 20	19·0	..	1008·3	..	303·5	304·5	14th	296·5	293·1	22nd	300·0	..	299·6	25	−145
965	Daru	9 4	143 13	7·6	..	1010·7	−1·2	301·1	..	..	294·9	..	..	298·0	−0·2	..	58	− 43
966	Port Moresby	9 29	147 9	39·0	..	1013·0	+1·9	301·0	..	..	295·1	..	..	298·1	−0·7	..	0	− 29
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1014·0	+3·6	..	..	..	..	..	..	..	..	..	208	−113
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	−1·1	303·4	305·2	20, 22, 23	297·1	295·2	10th	300·3	+0·3	..	65	− 97
970	Ocean Island	0 52	169 35	25·6	1004·4	1007·4	−0·5	302·6	304·2	6th	296·7	294·7	15th	299·7	−1·1	*299·1*	602	+458
		S.	E.															

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1011·4	−0·3	..	303·2	..	..	292·0	..	..	+0·7	298·5	137	+ 67
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	294·4	295·2	7th, 16th	286·5	284·4	13th	290·5	+0·1	*289·1*	0	− 2
1022	Arequipa	16 22	71 33	2451	761·7	..	0·0	293·4	296·0	10th	281·4	279·7	26th	287·4	+0·8	*286·7*	0	− 2
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	728·4	..	..	297	..	..	276	..	..	286·5	+1	..	0	− 4
1026	Cuyaba	15 35	56 0	235	993·4	1020·3	−1·5	..	306·6	..	..	291·0	..	300·0	+2·6	..	24	+ 20
1027	Bello Horizonte	19 55	43 56	857	922·9	1019·4	..	301·1	300·6	13th	284·2	279·8	10th	292·7	..	..	54	..
1028	Cætite	14 2	42 37	900	916·7	1017·5	−2·1	..	301·7	..	..	285·8	..	293·2	+0·4	*292·9*	0	− 4
1029	Ondina	13 12	38 30	46·6	1012·5	1017·9	..	..	301·4	..	..	292·5	..	296·3	..	..	194	..
1030	Aracaju	10 55	37 4	4·3	1017·2	1017·7	−0·3	..	304·0	..	..	293·0	14th	298·2	+0·3	..	144	+ 53
1035	St. Helena	15 57	W 5 40	632	948·8	1021·3	+0·1	292·1	295·8	21st	284·8	283·6	18, 27, 28	288·5	+0·6	*288·1*	86	− 13
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	863·3	..	+0·2	293·3	301·3	31st	?277·4	..	..	?285·4	−0·5	..	3	+ 3
1043	Salisbury, Rhodesia	17 48	31 5	1472	862·4	..	+0·8	294·5	300·8	30th	278·0	274·7	21st	286·3	0·0	..	11	+ 11
1044	Zomba	15 23	35 18	899	..	1018·8	+0·9	298·1	299·7	5th	282·7	281·9	24th, 25th	290·4	+0·6	*288·7*	11	+ 4
1045	Sainte Marie	17 0	49 51	15	..	..	..	296·6	297·9	3rd, 14th	292·3	290·2	24th	294·5	..	..	507	..
1046	Tananarivo	18 55	47 32	1400	869·6	..	+1·1	293·6	296·0	30th	281·6	278·4	24th, 25th	287·6	+0·2	*286·3*	16	+ 10
1055	Cocos, Keeling Is.	12 5	96 53	4·6	..	1012·5	+0·2	301·0	302·7	13th, 30th	296·8	294·9	4th	298·9	0·0	..	302	+ 31
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·6	1010·2	+0·6	302·8	303·9	..	295·1	293·7	..	298·9	−0·6	..	24	−113
1058																		
1061	Koepang	10 10	123 34	3·3	..	1013·3	+1·4	302·7	304·9	2nd	292·3	288·3	21st	297·5	..	297·2	0	− 5
1061*a*	Derby	17 18	123 40	10·2	..	1018·4	+3·2	300·7	303·8	8th	286·9	282·0	17th	293·8	−1·3	..	0	− 5
1062	Hall's Creek	18 13	127 46	373·6	..	1017·2	+0·6	300·2	305·2	29th	281·8	275·7	19th	291·0	−0·1	..	0	− 3
1063	Port Darwin	12 28	130 51	29·6	..	1014·6	+2·1	302·2	304·4	31st	291·1	287·9	12th	296·7	−1·5	295·7	0	− 2
1064	Daly Waters	16 16	133 23	210·6	..	1015·4	+0·6	300·7	306·9	29th	284·7	277·7	22nd	292·7	−0·8	*291·9*	0	− 5
1065	Mein	13 13	142 47	121·9	..	1013·1	+1·0	301·4	303·4	7th	288·9	284·2	10th	295·1	−1·3	..	8	− 7
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1016·2	+0·5	299·8	304·7	26th	282·8	276·9	13th, 20th	291·3	−1·8	..	0	..
1067	Samarai	10 37	150 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1015·0	1015·4	−0·2	298·4	302·3	23rd	292·3	287·4	28th	295·4	−0·7	..	57	− 60
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JULY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1107	Rarotonga (Avarua)	21 12	159 47	6	1012·8	1013·5	−0·7	296·4	298·6	12th, 24th	288·8	286·6	27th	292·6	−1·7	..	31	− 47
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·2	1014·6	−2·8	288·6	290·7	27th	280·3	277·3	1st	284·5	+1·7	*286·5*	46	+ 12
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1008·5	1016·2	−3·4	295·7	302·2	6th	287·7	278·5	29th	291·7	+3·5	*290·6*	91	+ 49
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	916·1	1019·3	−2·5	..	299·4	..	..	276·0	..	288·0	+2·5	..	121	+ 58
1128	Rio de Janeiro	22 54	W43 10	61·4	1011·0	1018·3	−3·6	..	303·0	..	..	290·1	..	..	+2·1	295·2	2	− 40
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	289·9	294·6	29th	278·6	274·9	11th	284·2	+0·9	..	0	− 6
1142	Kimberley	28 42	24 47	1202	889·6	..	+1·2	291·7	296·7	29th	274·0	271·3	7th	282·8	−0·5	282·1	0	− 9
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	1023·8	+1·3	298·4	308·6	31st	285·9	282·4	6th	292·1	+0·4	291·5	5	− 8
1144	Lorenzo Marques	25 58	32 36	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	54·3	1013·1	1019·6	−0·8	296·7	298·7	6th	289·8	285·2	23rd	293·3	+0·1	293·0	64	+ 1
1159	Onslow	21 43	114 57	4·3	..	1015·8	−0·6	298·2	300·0	7th, 8th	285·4	279·1	4th	291·8	+0·9	..	8	− 16
1160	Peak Hill	25 38	118 47	588	..	1016·9	−1·1	292·6	297·7	25th	281·7	276·1	1st	287·1	+1·0	..	34	+ 16
1161	Nullagine	21 53	120 5	386	..	1017·2	−0·5	297·4	300·7	25th	281·9	275·2	20th	289·7	+1·1	..	8	− 6
1162	Laverton	28 40	122 23	466	..	1020·6	+0·3	290·7	297·6	19th	278·7	270·9	8th	284·7	+0·3	..	26	+ 9
1163	Alice Springs	23 38	133 37	587	..	1021·0	+1·2	291·2	300·2	28th	276·6	270·8	16th	283·9	−0·6	284·1	0	− 10
1164	William Creek	28 55	136 21	76·2	..	1022·4	+1·8	291·1	297·7	27th	276·9	271·9	18th	284·0	−0·3	*283·8*	1	− 6
1165	Boulia	22 55	139 38	146	..	1019·2	+1·7	294·7	301·9	28th, 29th	280·3	275·8	19th	287·5	+0·1	..	3	− 5
1166	Mitchell	26 32	147 52	336	..	1018·7	−0·5	290·3	295·5	31st	275·9	269·7	18th	283·1	−0·7	..	17	− 18
1167	Rockhampton	23 24	150 30	11·3	..	1018·1	−0·3	296·0	299·7	30th	282·0	275·7	15th	289·0	−0·5	..	2	− 33
1168	Brisbane	27 28	153 2	41·7	..	1017·8	−0·4	292·5	295·8	1st	282·3	277·4	12, 15, 18	287·4	−0·2	..	52	− 4
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	291·3	294·1	9th	286·6	282·7	27th	288·9	−0·2	..	57	− 96
		S.	E.															

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	288·8	292·0	28th	284·4	282·0	1st, 18th	286·6	+1·5	*287·1*	359	+206
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1010·3	1015·1	−2·9	289·0	295·2	30th	283·8	280·1	1st	286·4	+1·0	*286·0*	279	+172
1222	Santiago	33 27	70 42	520	954·3	1015·6	−2·8	287·9	295·5	31st	279·6	275·0	28th	283·7	+2·3	*283·1*	125	+ 38
1222*a*	Concepcion	36 50	73 3	15	1011·0	1012·8	..	287·3	295·0	31st	280·8	274·0	26th, 27th	284·1	..	*284·2*	423	..
1223	Cordoba	31 25	64 12	439	963·5	1015·2	−4·1	290·4	298·8	17th	280·5	274·0	30th	285·5	+1·5	284·9	16	+ 8
1224	Bahia Blanca	38 45	62 15	20	1010·0	1012·4	−1·3	286·7	292·4	..	279·4	274·0	..	283·1	+1·2	..	102	+ 78
1225	Buenos Ayres	34 16	58 22	25·2	1011·1	1014·1	−4·4	288·7	295·7	12th	281·6	273·5	28th	285·1	+2·1	*285·2*	164	+108
1225*a*	Rio Grande	32 2	52 9	2	1012·8	1013·0	−4·0	291·2	298·9	10th	286·7	280·2	30th	288·9	+2·5	288·8	308	+184
1226	Montevideo	34 55	W56 13	24·9	..	1013·7	−2·7	..	294·8	12th	..	279·6	31st	..	+2·7	286·1	223	+150
1239	Cape Town	33 56	E18 29	12	..	..	..	291·5	299·3	11th	281·8	274·8	1st	286·6	+0·9	..	109	+ 19
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1020·0	+0·9	289·7	293·2	19th	280·9	275·9	5th	285·3	−0·5	..	113	− 53
1260	Katanning	33 42	117 35	310	..	1019·6	+1·6	286·9	291·8	19th	278·3	272·2	13th	282·6	−0·2	..	66	− 12
1261	Coolgardie	30 57	121 10	423	..	1020·3	+0·7	289·4	294·8	20th	278·4	273·8	6th	283·9	+0·2	..	18	− 5
1262	Eucla	31 45	128 58	4·6	..	1020·3	+0·8	289·8	295·7	20th	281·6	277·3	20th	285·7	+0·3	..	43	+ 20
1263	Streaky Bay	32 48	134 13	13·1	..	1022·5	+2·6	289·6	292·4	26th	280·4	275·8	14th	285·0	+0·4	..	35	− 25
1264	Adelaide	34 56	138 35	42·7	..	1022·4	+2·0	288·8	294·1	25th	279·9	275·1	20th	284·3	+0·4	*284·2*	35	− 32
1265	Melbourne	37 49	144 58	35·1	..	1020·4	+1·3	285·7	291·6	25th	278·0	272·7	21st	281·9	−0·3	281·5	47	+ 1
1266	Bourke	30 13	145 58	110	..	1022·2	+1·6	289·4	294·2	28th	277·3	272·1	14th	283·3	−0·8	..	18	− 5
1267	Sydney	33 51	151 13	44·5	..	1018·3	−0·2	287·6	290·5	3rd	281·6	277·1	16th	284·6	+0·3	..	222	+ 99
1268	Lord Howe Island	31 20	159 0	4·6	..	1017·2	..	291·2	294·0	4th	286·3	279·9	18th	288·7	..	..	187	− 15
1271	Auckland	36 50	174 50	38·1	..	..	..	286·3	289·9	7th	280·0	275·5	18th	283·1	−0·8	..	104	− 25
1272	Napier	39 32	176 53	21·3	..	1013·9	+2·1	286·3	289·9	10th	276·9	271·9	twice	281·6	−0·9	..	6	− 87
		S.	E.															

Between Latitude 40° S. and 50° S.

JULY—ZONE 13

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1012·2	..	282·4	285·2	four times	277·2	272·4	14th	279·8	−0·6	..	112	+ 5
1302																		
1321	Isla Huafo	43 34	74 45	140	990·2	1007·2	−7·4	282·6	285·0	8th	279·7	275·8	3rd	281·1	+0·4	*281·5*	127	+ 8
1322	Punta Galera	40 1	73 44	40	1005·6	1010·4	−4·8	285·2	286·8	sev. dates	281·0	277·0	26th	283·1	+1·2	*283·6*	361	+ 32
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1015·7	+1·9	287·0	288·8	26th	277·1	272·5	22nd	282·1	+1·7	*281·8*	65	+ 11
1366	Launceston	41 27	147 10	10·1	..	1016·8	+2·3	285·3	290·2	29th	275·7	270·0	21st	280·5	+0·5	..	59	− 18
1370	Invercargill	46 25	168 21	5·5	..	..	..	283·0	288·0	10th	274·7	268·0	16th	278·8	+0·6	..	87	+ 3
1371	Dunedin	45 52	170 31	91	..	1011·3	+0·2	282·7	287·4	24th	276·4	271·9	15th	279·6	+0·9	..	54	− 28
1371*a*	Christchurch	43 32	172 38	7·6	..	1012·4	−0·3	283·5	288·0	22nd	273·6	269·3	18th	278·5	−0·4	..	13	− 56
1372	Wellington	41 16	174 46	2·4	..	1014·3	+2·1	284·7	287·1	8th	278·9	272·6	5th	281·8	+0·2	..	63	− 81
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

JULY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·9	1004·7	+2·7	283·1	284·5	3rd	275·4	271·4	3rd	279·3	+0·7	*277·6*	94	−138
1422	Puerto de Punta Arenas	53 10	70 54	4	1004·4	1004·9	+2·7	277·1	279·7	8th, 14th	272·8	269·2	6th	274·9	+0·7	*274·8*	98	+ 54
1423	Punta Dungeness	52 24	68 26	5	1001·1	1001·7	−0·5	278·8	282·0	1st	275·2	272·0	4th	277·0	+0·9	*276·4*	63	+ 39
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424a	Año Nuevo	54 39	64 9	50	996·5	1002·7	..	275·9	278·3	18th	272·8	268·0	4th	274·4	..	274·5	59	..
1425	Cape Pembroke	51 41	57 42	21	1002·6	1004·4	+2·2	277·3	279·7	2nd	272·7	269·1	4, 8, 11	275·0	−0·4	275·2	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	1001·6	+3·6	273·0	278·5	25th	267·4	261·8	9th	270·2	−0·5	*270·0*	164	+ 25
1467	Macquarie Island	54 30 S.	158 57 W.	9·1	..	1003·0	+3·0	276·6	..	..	273·4	..	..	275·0	..	..	103	..

JULY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527 1528	South Orkneys	60 44 S.	44 39 W.	6·7 metres.	997·2 mb.	998·1 mb.	+3·5 mb.	263·8 a.	273·1 a.	28th	253·1 a.	240·4 a.	22nd	258·5 a.	−1·2 a.	259·6 a.	33 mm.	+ 7 mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	..	..	..	..	..	NE 3	E 3	Calm 0	SW 4	NE	SE 4	NW 2	Calm 0	SE 5
2	..	..	120	120	(10·2)	E 2	SE 4	Calm 0	SW 4	E	SE 4	NW 2	NW 3	SE 3
3	120	135	120	135	(8·2)	SE 3	SE 3	Calm 0	Calm 0	E	SE 4	NW 2	NW 3	SE 3
4	135	150	150	160	(11·9)	E 3	NE 2	NE 2	SW 3	E	SE 3	NW 1	Calm 0	SE 3
5	160	150	135	135	10·6	NE 2	E 2	SW 2	SW 4	E	SE 3	E 1	Calm 0	SE 2
6	135	135	135	135	8·1	SE 4	Calm 0	SW 1	SE 2	NE	SE 5	E 1	E 1	SE 2
7	150	150	120	135	7·6	E 2	Calm 0	NE 1	Calm 0	E	SE 4	N 2	W 2	SE 2
8	150	135	135	150	6·4	SE 3	E 2	NW 1	SW 2	E	SE 2	W 3	WSW 1	SE 3
9	135	135	135	150	6·2	NE 3	E 4	Calm 0	SW 1	E	SE 2	SW 3	S 1	SE 3
10	150	160	160	160	3·2	E 3	E 4	NE 1	SW 1	E	Calm 0	W 4	SW 3	SE 2
11	160	160	150	150	3·3	ENE 4	E 3	Calm 0	SW 1	E	SE 2	SW 1	Calm 0	Calm 0
12	160	150	135	135	4·1	SE 2	SE 2	N 1	S 1	SE	SE 2	SW 3	W 3	Calm 0
13	135	150	135	135	2·6	E 3	ENE 4	Calm 0	SW 1	E	SE 2	WNW 2	W 1	Calm 0
14	120	150	150	150	2·1	NE 4	NE 2	Calm 0	SW 1	E	Calm 0	NNW 2	NW 3	Calm 0
15	150	150	150	150	1·5	E 2	E 2	SW 2	Calm 0	SE	SW 2	WNW 5	W 5	NE 2
16	160	160	160	160	5·8	SE 1	E 2	S 1	SW 2	E	Calm 0	W 6	W 3	NE 2
17	160	160	170	170	1·8	E 2	Calm 0	S 1	SW 2	E	Calm 0	W 4	Calm 0	NE 1
18	170	160	160	160	1·9	E 2	E 3	S 1	SW 2	E	Calm 0	N 1	NW 1	NE 3
19	160	160	160	160	2·5	E 3	E 2	N 1	SW 2	E	Calm 0	WNW 2	Calm 0	NE 2
20	160	170	170	170	2·5	E 4	E 2	S 2	SW 1	E	Calm 0	N 2	NW 2	Calm 0
21	170	160	150	135	6·2	E 3	Calm 0	Calm 0	SW 2	E	Calm 0	W 2	SW 4	NE 1
22	135	135	150	150	5·0	NE 2	Calm 0	SW 1	SW 1	E	Calm 0	S 3	SW 2	Calm 0
23	150	150	150	135	6·0	SE 3	E 2	Calm 0	SW 1	E	SE 2	W 1	Calm 0	SW 3
24	150	150	135	135	6·9	E 2	Calm 0	Calm 0	SW 1	E	SE 4	N 1	N 1	SW 2
25	150	150	135	135	5·1	SE 2	SE 2	Calm 0	Calm 0	E	SE 4	NNW 1	NW 1	S 3
26	135	160	170	170	3·7	E 2	E 2	SW 2	SE 2	SE	SE 4	W 3	W 2	SE 1
27	170	170	160	160	4·0	SE 2	SW 2	SW 2	W 1	E	SE 4	WSW 3	W 3	E 1
28	160	135	135	135	4·1	NE 2	NW 2	Calm 0	SW 3	E	SE 4	NW 1	Calm 0	NE 1
29	150	160	150	150	5·9	NE 3	W 2	Calm 0	SW 2	E	SE 5	SE 1	NE 1	NE 2
30	150	150	135	135	5·7	W 2	NW 2	S 2	Calm 0	Calm	SE 5	N 2	NW 1	E 1
31	135	135	135	135	6·1	W 2	N 2	N 2	SW 2	SW	SE 4	SSW 3	W 4	..
Mean	149	151	145	147	5·6	2·6	2·0	0·8	1·6	..	2·4	2·2	1·5	1·8
Resultant †	148°			..		90° (60)		220° (46)		90° (87)	140° (68)	290° (47)		105° (50)
Normal†	142°			6·5		117° (75)		261° (37)		92° (88)	132° (88)	100° (58)		98° (51)

* Direction and velocity of the South-East Trade Wind at 632 metres.

† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1914.

**Barents Sea.*—"Southern part free of ice to east of Kolgujev. In northern part ice edge sighted usually in 70° N."

**Spitsbergen.*—"The whole west coast was open and the fiords free during entire month, but much ice round eastern coasts."

**Greenland Sea.*—"Large floes were met with in 76° N. 3° W. early in the month. At Angmagsalik the ice belt was so broken that vessels might have approached the shore."

**Iceland.*—"The coasts were free of ice."

North Atlantic and Labrador.—"In and near the banks icebergs were fewer and mostly confined to 47° N. 41° W. to 50° W. The southern limit was 41° 14′ N. The easternmost berg of the year was seen in 46° 26′ N., 40° 37′ W. The westernmost berg of the year was seen in 40° 47′ N., 67° 37′ W. Icebergs and drift ice were present in Belle Isle Strait, and the Labrador coast was icebound to a distance of 100 miles offshore."

**Davis Strait.*—"The vast ice masses around the southern extremity of Greenland decreased rapidly."

**Smith Sound.*—"Was free towards the end of the month."

**Hudson Strait.*—"The edge of the ice was sighted 50 miles S. of Cape Chudleigh."

* *Isforholdene i de arktiske Have. 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

AUGUST—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1007·6	1009·9	−1·6	..	..	..	274·5	269·7	27th	..	−0·8	*277·2*	18	−11
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1013·6	1015·0	+1·5	..	283·1	9th	275·3	271·7	27th	..	..	277·7	14	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1013·9	1014·7	+3·6	..	301·1	8th	281·3	278·0	1st	..	+1·7	*284·8*	68	+24
142	Mehavn	71 1	27 47	6·4	1014·3	1015·1	+4·1	..	295·9	8th	280·3	274·9	2nd	..	+0·8	*283·3*	54	+ 2
143	Vardö	70 22	31 8	10·0	1014·4	1015·6	+3·8	..	290·4	10th	279·7	277·2	24th	..	−0·2	*281·7*	31	−20
144																		
147	Malye Karmakouly	72 23 N.	52 43 E.	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148																		

Between Latitude 70° N. and 60° N.

AUGUST—ZONE 2.

203	Nome	64 31	165 24	6·1	1006·4	1007·1	−1·9	287·7	296·3	..	280·4	269·1	..	284·1	+1·6	..	73	+ 5
204	Candle	65 55	161 57	? 2·4	..	..	..	290·8	?297·4	3rd, 5th	278·3	269·7	18th	284·5	..	..	26	..
205	Tanana	65 12	152 0	? 74	999·1	?1008·0	..	291·7	299·1	..	279·6	271·9	..	285·6	+0·3	..	19	−38
206	Rampart	65 30	150 15	? 122	..	..	..	294·3	303·6	6th	278·3	270·2	18th	286·3	..	..	46	+ 7
207	Valdez	61 6	146 13	3·1	1011·6	1012·0	−0·9	286·5	293·0	..	280·1	276·9	..	283·3	−0·4	..	228	+87
208	Eagle	64 46	141 12	250	976·8	1006·3	−2·4	292·2	299·7	..	276·9	269·7	..	284·5	+0·4	..	60	− 2
209	Dawson	64 4	139 20	328	969·5	1010·1	−3·1	291·9	296·3	4th	279·7	271·9	30th	285·8	+0·5	..	40	0
210	Carcross	60 11	134 34	662	..	..	..	288·9	293·0	21st	277·6	271·9	3rd	283·3	−0·4	..	11	−11
211																		
212	Fort Simpson	61 52	121 35	129	994·3	1009·7	..	295·1	300·2	25th, 26th	281·8	273·0	31st	288·5	+2·3	*289·1*	21	− 8
213	Hay River	60 51	115 20	161	991·6	1010·8	..	291·1	299·1	25th	282·1	275·2	9th	286·6	−0·8	..	49	..
214	Fort Resolution	61 10	113 50	240	..	..	..	291·6	297·4	..	280·9	274·7	..	286·3	..	..	30	..
225	Jacobshavn	69 13	51 2	12·6	1007·4	1008·9	−2·5	281·9	289·0	7th	276·1	271·6	31st	279·0	−0·1	*279·0*	33	− 1
226	Godthaab	64 11	51 44	9·0	1005·5	1006·6	−3·0	..	..	..	275·0	272·4	31st	..	−1·3	*278·0*	135	+57
229	Angmagsalik	65 37	37 34	31·7	1005·9	1009·8	−2·6	284·5	292·7	7th	275·8	272·1	23rd	280·1	+0·2	*279·2*	154	+91
230																		
231	Stykkisholm	65 5	22 46	11·3	1007·0	1008·4	−0·8	286·6	293·5	16th	281·1	276·5	12th	283·9	+1·1	*283·3*	17	+25
232	Vestmanno	63 26	20 15	7·7	1008·4	1009·3	+0·7	287·0	293·5	4th	282·3	279·8	12th	284·7	+1·2	*284·4*	81	+ 6
233	Grimsey	66 33	17 58	22·0	1007·9	1008·7	−1·1	285·0	292·5	15th	278·3	274·1	12th	281·7	+1·9	*281·7*	13	−21
234	Berufjord	64 40	14 19	18·0	1006·8	1009·0	−0·6	285·6	290·2	14th	279·8	277·1	12th	282·7	+1·0	*282·4*	139	+58
235	Thorshavn	62 3	6 45	25·7	1008·6	1011·7	+1·7	286·2	288·6	27th	282·1	279·2	22nd	284·1	+0·5	..	67	−28
236	Lerwick	60 9	W 1 8	18·0	1011·5	1013·6	+3·8	287·3	290·2	27th	284·2	282·4	14th, 19th	285·7	+1·1	..	47	−29
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·6	1014·9	+4·2	..	296·0	26th	285·7	282·5	16th	..	+1·5	*288·3*	125	−65
238	Christiansund	63 7	7 45	17·8	1012·7	1014·8	+4·2	..	294·0	2nd	284·2	280·9	23rd	..	+1·0	*287·0*	129	+26
239	Trondhjem	63 26	10 25	39·5	1010·6	1015·4	+4·8	..	297·6	2nd	283·2	278·7	21st	..	+0·3	*286·6*	73	− 3
240	Bodö	67 17	14 24	20·5	1012·7	1015·2	+4·8	..	293·8	7th	282·4	275·8	21st	..	+0·3	*285·6*	69	−14
241	Haparanda	65 50	24 9	9·2	1012·4	1013·5	+2·7	289·8	297·5	7th	280·8	275·7	20th	285·3	−1·1	*284·6*	43	−11
242	Helsingfors	60 10	24 57	11·7	1011·2	1012·7	+1·2	290·8	295·7	9th	283·4	277·1	21st	287·1	−1·3	*287·1*	24	−49
242a	Kuopio	62 54	27 40	99·7	999·6	1010·4	−1·1	288·8	296·2	7th	282·0	277·0	21st	285·4	−1·8	*284·9*	41	−29
243	Kola	68 53	33 1	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1009·2	−2·3	..	294	..	..	275	..	..	−1·3	*285·8*	96	+14
245	Arkhangelsk	64 33	40 32	6·7	..	1008·8	−2·1	..	298	..	..	278	..	..	−0·9	*285·6*	130	+68
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1009·2	−1·8	..	303	..	..	277	..	..	+2·6	*287·3*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	?1010·7	−0·7	..	..	..	..	..	..	..	+3·4	*?289·3*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	? 108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1013·3	1013·8	+0·1	288·2	297·4	14th	281·2	277·4	31st	284·7	+1·0	..	91	+ 9
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	288·2	293·0	10, 13, 15	281·9	278·6	29th	285·1	..	..	132	0
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1014·2	1017·5	+2·1	288·2	290·8	..	282·9	280·2	..	285·6	−0·3	..	110	−71
310	Prince Rupert	54 18	130 18	52	1011·5	1018·6	+1·7	289·6	294·1	23rd	283·3	279·7	31st	286·4	−0·4	..	106	−18
311	Barkerville	53 2	121 35	1274	871·7	1017·3	+1·1	291·5	295·2	1st, 25th	276·6	270·8	30th	284·1	−1·0	*284·0*	24	−58
312	Kamloops	50 41	120 29	380	973·2	1013·5	+1·0	301·8	308·0	2nd	285·0	279·1	31st	293·4	+0·3	*293·2*	10	−17
313	Calgary	51 2	114 2	1033	895·0	1012·8	−0·3	297·8	308·6	3rd	281·3	275·2	31st	289·6	+1·8	*289·9*	55	−12
314	Fort Chipewyan	58 42	111 10	218	986·3	1011·9	..	293·3	297·4	19th	283·0	274·1	13th	288·2	+0·6	*288·8*	46	+ 4
315	Prince Albert	53 10	106 0	437	959·7	1011·2	−0·8	292·7	300·8	2nd	281·6	274·7	10th	287·1	−0·8	*287·5*	20	−39
316	Qu'Appelle	50 30	103 47	645	937·7	1012·8	−0·2	296·0	304·1	3rd	280·9	273·0	10th, 26th	288·5	−0·7	*288·6*	46	− 6
317	Minnedosa	50 15	99 50	515	953·6	1014·2	+1·3	297·7	309·7	4th	281·5	273·0	26th	289·6	+0·7	*289·2*	21	−33
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	York Factory	57 0	92 28	16·8	1010·2	1012·2	0·0	..	..	..	278·9	273·0	21st	286·0	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1012·4	1013·5	0·0	294·2	301·3	5th, 21st	281·8	273·6	26th, 27th	288·0	−0·2	..	58	−22
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1006·1	1009·1	..	291·0	300·8	14th	279·4	274·7	6th	285·2	..	..	95	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	291·3	1st, 18th	..	283·0	22nd	287·1	−0·1	..	92	+ 6
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1013·1	1014·8	+0·6	290·9	294·1	13th	285·9	282·4	20th	288·4	+0·5	288·4	165	+42
335	Aberdeen	57 10	2 6	26·8	1011·1	1014·3	+2·9	289·8	296·9	23rd	284·1	280·2	8th	286·9	+0·5	286·9	36	−38
336	Greenwich	51 28	W o 0	48·5	1011·5	1017·4	+2·4	296·6	301·9	24th	285·0	280·8	8th	290·8	+0·6	289·9	30	−28
337	Uccle	50 48	E 4 22	100	1005·7	1017·6	+2·0	296·6	303·0	10th	285·7	281·9	19th	291·1	+0·9	290·7	40	−40
338	De Bilt	52 6	5 11	3·0	1017·4	1017·8	+3·1	296·2	301·9	11th	285·6	281·6	8th	290·9	+0·7	290·4	38	−44
338a	Hamburg	53 33	9 59	40	1012·6	1017·4	+3·7	294·7	300·0	10th	287·5	284·8	16th	291·1	+1·1	*290·9*	39	−24
339	Copenhagen	55 41	12 36	5·0	1016·4	1017·0	+4·1	293·3	298·7	10th	287·8	284·5	15th	290·5	+1·4	*290·5*	42	−34
340	Potsdam	53 23	13 14	84·9	1007·7	1017·8	+3·1	297·7	304·2	11th	285·9	282·4	19th	291·8	+1·6	291·3	24	−55
340a	Upsala	59 51	17 38	24·0	1012·0	1014·9	+3·8	294·1	298·0	7th, 28th	283·1	274·9	21st	288·6	+1·0	288·6	20	−51
341	Warsaw	52 13	21 2	120	..	1017·6	+2·8	..	300	..	..	280	..	..	−0·5	*290·4*	24	−40
342	Jurjev	58 23	26 43	74·5	1004·0	1013·0	+1·5	291·9	300·3	11th	281·5	275·8	21st	286·7	−1·6	286·6	33	
343	Petrograd	59 56	30 16	4·8	..	1010·4	−1·4	..	296	..	..	281	..	..	−2·0	*286·6*	36	−35
344	Kiev	50 27	30 30	182·9	..	1015·4	+1·3	..	301	..	..	278	..	..	−1·9	*289·7*	38	−20
344a	Moscow	55 46	37 40	156	..	1008·7	−5·7	..	297	..	..	279	..	..	−2·7	*286·9*	110	+37
345	Saratov	51 32	46 3	59·9	..	1007·8	−4·0	..	307	..	..	280	..	..	−1·8	*291·8*	28	8
346	Kazan	55 47	49 8	79·8	996·0	1005·4	−5·3	..	299	..	..	279	..	..	−1·9	288·6	141	+87
347	Orenburg	51 45	55 6	114·1	..	1008·4	−2·6	..	307	..	..	282	..	..	−0·6	*291·7*	110	+77
348	Perm	58 1	56 16	163·0	..	1006·4	−3·9	..	302	..	..	276	..	..	+0·3	*288·5*	75	+ 2
349	Ekaterinburg	56 50	60 38	288·9	..	1009·2	−2·3	..	302	..	..	275	..	..	+0·6	*288·5*	81	+17
350	Tobolsk	58 12	68 14	108	..	1010·4	−0·2	..	302·5	7th	..	282·2	31st	..	+1·5	*289·9*	..	..
351	Akmolinsk	51 12	71 23	? 347	..	?1011·9	+1·1	..	?306·4	6th	..	?282·6	27th	..	+0·4	*?291·1*	..	..
352	Omsk	54 58	73 23	90	..	1010·7	+0·7	..	300·0	13th	..	282·0	25th	..	0·0	*289·6*	..	..
353	Barnaoul	53 20	83 47	162·2	..	?1011·3	+0·5	..	?300·4	30th	..	?283·5	27th	..	+1·0	*?290·8*	..	..
354	Tomsk	56 30	84 58	121·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
357	Irkutsk	52 16	104 19	467	..	..	..	..	..	..	..	..	..	..	..	..	..	..
358	Kirensk	57 47	108 7	? 263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	? 359	965·9	1007·6	..	..	300·8	3rd	281·1	272·5	22nd	..	..	*288·8*	129	..
362	Blagoveshchensk	50 15	127 31	133·6	992·2	1007·8	+1·9	..	302·7	6th	287·8	281·4	23rd	..	+1·5	*293·1*	80	−53
363	Paikanskii Sklad	50 11	130 7	? 145	990·6	1007·6	..	..	301·0	6th	284·8	276·6	23rd	..	..	*291·9*	155	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·8	1009·3	+1·3	..	299·6	18th	284·3	276·6	24th	..	+0·2	*289·0*	65	−15
366	Okhotsk	59 21	143 17	6·0	1009·4	1010·1	−1·0	..	290·0	19th	282·2	277·0	22nd	..	−0·4	*285·1*	33	−14
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	999·9	1010·5	+2·5	..	291·0	27th	282·3	279·2	30th	284·3	−0·7	..	30	−55
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

AUGUST—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·6	1018·1	+0·9	292·6	300·7	19th	283·9	280·7	29th	288·3	0·0	287·3	5	− 12
412	Portland, Oregon	45 32	122 41	46·6	1010·9	1016·9	+0·6	299·2	306·9	12th	286·9	282·4	31st	293·1	+1·1	*292·9*	0	− 16
413	Macleod	49 44	113 24	954	..	..	..	297·7	310·2	3rd	280·9	275·8	31st	289·3	−0·5	*289·6*	63	+ 20
414	Helena	46 34	112 4	1253	874·9	1014·2	+0·6	299·4	308·0	2nd	283·9	276·9	19th	291·7	−0·7	*291·6*	5	− 13
414a	Salt Lake City	40 46	111 54	1329	867·4	1011·8	−0·5	303·7	309·1	14th	290·7	286·3	28th	297·2	+0·9	*298·0*	6	− 14
415	Cheyenne	41 8	104 48	1856	816·3	1014·2	+1·2	298·7	304·7	16th	284·4	280·2	11th	291·6	−0·5	*291·3*	42	+ 4
416	North Platte	41 8	100 45	859	917·5	1014·5	+0·8	304·3	313·6	16th	288·4	281·9	10th	296·3	+0·5	*295·9*	88	+ 28
416a	Bismarck	46 47	100 38	510·6	986·1	1013·9	+0·1	296·5	307·4	4th	283·7	276·6	27th	290·1	−0·1	*289·1*	52	− 8
417	Winnipeg	49 53	97 7	231·6	973·9	1014·5	−0·3	294·4	305·2	8th	284·9	278·6	27th	289·7	+0·2	*289·9*	107	+ 30
418	Duluth	46 47	92 6	345·1														
419	Port Arthur	48 27	89 12	196·3	990·8	1014·9	0·0	293·3	299·1	8th	283·4	274·1	24th	288·3	−0·2	*288·2*	114	+ 44
420	Chicago	41 53	87 37	250·9	986·4	1015·9	0·0	300·0	308·6	18th	292·9	289·1	14th	296·4	+1·5	*296·1*	96	+ 17
421	Toronto	43 40	79 24	115·5	1002·0	1015·7	+0·2	298·4	306·3	7th	287·7	281·9	26th	293·1	+0·9	292·4	132	+ 62
422	New York (Central Park)	40 46	73 58	29·6	1012·5	1015·9	−0·7	301·2	307·4	19th	292·2	288·6	25th, 26th	296·7	+0·4	296·4	65	− 47
423	St. John, N.B.	45 17	66 4	? 22	1013·2	1016·2	+0·8	292·2	297·0	12th	285·3	281·1	26th	288·7	−0·2	*288·3*	74	− 24
424	S. W. Point, Anticosti	49 24	63 35	9·1	1011·5	1012·8	+0·5	289·8	293·3	6th	281·6	276·3	27th, 28th	285·7	−0·7	..	113	+ 26
425	Sable Island (Main Station)	43 57	60 6	7·6	1018·3	1019·3	+2·5	291·7	293·6	14th, 24th	286·6	283·6	26th	289·2	−1·0	..	151	+ 57
426	St. Johns, Newfoundland	47 34	52 42	38·1	1008·4	1013·2	−0·8	292·7	300·8	12th	284·9	281·9	14th, 26th	288·8	+0·6	..	94	+ 4
435	Madrid	40 24	3 41	655·4	942·5	1015·9	+1·1	306·8	312·6	10th	287·9	284·2	28th	297·3	−0·1	296·8	3	− 9
436	Nantes	47 15	W 1 34	41·4	1013·2	1018·1	+0·5	297·9	307·8	13th	287·1	283·8	9th	292·5	+0·7	292·0	28	− 21
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·7	1017·7	+1·0	297·4	303·8	13th	286·3	281·0	8th	291·9	+0·8	291·5	56	+ 6
438	Marseilles	43 18	5 23	75	1007·6	1016·5	+1·4	299·9	304·1	11th	288·2	285·0	19th	294·1	−1·1	*293·6*	63	+ 46
438a	Zürich	47 23	8 33	493·2	961·3	1018·6	+1·1	297·2	303·7	11th	285·3	281·7	23rd	291·2	0·0	290·4	139	+ 7
439	Rome	41 54	12 28	50·6	1009·7	1015·3	+0·3	301·7	304·9	13th	291·0	288·6	4th	296·3	−0·8	*296·3*	76	+ 49
440	Vienna	48 15	16 22	202·5	993·4	1017·6	+2·2	296·0	300·8	4th	287·1	283·2	21st	291·6	−0·6	291·4	43	− 27
440a	Buda-Pesth	47 30	19 2	129	1002·1	1017·4	+2·6	300·3	304·6	13th	286·6	283·3	21st	293·5	−0·3	293·1	40	− 10
441	Bucharest	44 25	26 6	82	1006·4	1016·1	+1·9	300·8	305·8	18th	287·7	283·5	26th	294·2	−0·9	294·3	70	+ 19
442																		
443	Odessa (University)	46 29	30 44	65	..	1015·8	+1·1	..	301	..	..	283	..	..	−1·4	*293·3*	74	+ 42
444	Kharkov (University)	50 0	36 14	140	..	1013·2	−1·9	..	299	..	..	278	..	..	−2·0	*289·7*	30	− 21
444a	Novorossiisk	44 44	37 49	37	..	1013·0	−0·4	..	304	..	..	286	..	..	−1·2	*295·2*	31	+ 2
445	Tiflis	41 43	44 48	409	..	1010·7	−2·2	..	308	..	..	287	..	..	−1·0	*296·6*	19	− 19
446	Astrakhan	46 21	48 2	−14	..	1011·4	−1·5	..	305	..	..	283	..	..	−1·0	*295·4*	26	+ 14
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1010·0	−1·7	..	311	..	..	292	..	..	−0·5	*301·0*	..	..
449	Tachkent	41 20	69 18	478·3	..	1007·5	+0·4	..	310·7	6th	..	287·5	26th	..	−0·1	*297·4*	..	..
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1001·6	1006·7	−0·1	302·1	306·0	14th	292·4	286·8	26th	297·3	0·0	296·5	91	− 46
462	Joshin	40 40	129 11	4·0	1008·3	1008·8	+0·5	298·0	304·0	15th	292·5	286·9	27th	295·3	+0·2	294·9	122	− 3
463	Vladivostok	43 7	131 55	26·8	1007·0	1010·1	−0·4	..	302·3	15th	290·3	285·3	1st	..	−0·7	*293·0*	126	+ 15
464																		
465	Ochiai	47 20	142 44	6·6	1010·1	1010·9	−0·2	293·3	301·8	11th	284·0	278·4	24th	288·7	−1·0	288·6	49	− 44
466	Nemuro	43 20 N.	145 35 E.	26·7	1007·9	1011·1	−0·4	292·7	303·3	12th	286·6	282·2	26th	289·6	−1·2	289·1	299	+209

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1008·9	1014·5	+0·6	290·4	301·3	1st	284·7	283·6	23rd	287·6	−0·6	*286·7*	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1008·2	1015·6	+1·6	297·0	305·8	16th	285·1	283·0	21st	291·1	−0·4	*289·7*	0	− 1
513	Modena	37 48	113 54	1670	835·4	1012·2	+0·3	303·2	306·9	15th	284·7	278·0	29th	293·9	+0·8	*294·1*	19	− 18
514	San Diego	32 43	117 10	26·5	1010·7	1013·9	+1·4	294·4	298·6	16th	289·7	288·6	5th	292·1	−1·7	*291·7*	0	− 2
515	Santa Fé	35 41	105 57	2138	791·7	1012·8	+0·5	298·5	303·0	17th	286·2	282·4	27th	292·3	−0·7	*291·8*	64	+ 8
516	Denver	39 45	105 0	1613	840·2	1014·9	+1·4	302·2	308·6	16th	287·1	283·6	26th	294·7	−0·7	*293·6*	62	+ 27
517	Abilene	32 23	99 40	529·6	954·3	1014·2	+1·1	303·2	309·1	2nd	293·9	291·9	16th	298·5	−2·0	*298·3*	399	+340
518	Saint Louis	38 38	90 12	173·1	995·0	1015·2	−0·3	304·2	309·7	6th	293·9	290·2	29th	299·1	+0·6	*298·8*	138	+ 65
519	Mobile	30 41	88 2	17·4	1015·9	1017·9	+2·5	303·8	306·3	31st	296·3	294·1	19th	300·1	−0·1	*299·4*	248	+ 75
520	Nashville	36 10	86 47	166·4	998·0	1017·6	+1·7	303·3	306·3	2nd	293·3	288·6	30th	298·3	−0·5	*297·9*	219	+132
521	Charleston	32 47	79 56	14·6	1016·9	1018·6	+2·3	303·8	308·0	27th	296·9	294·7	5th	300·4	+0·5	*300·3*	113	− 59
522	Washington	38 54	77 3	34·1	1012·5	1016·6	+0·5	303·2	309·1	19th	292·2	287·4	26th	297·7	+0·3	*296·9*	152	+ 43
523																		
524	Bermuda	32 18	64 46	46·0	1016·7	1022·0	+3·5	302·3	303·8	15th	295·8	293·7	26th	299·1	−0·6	..	121	− 17
531	Horta	38 32	28 38	28	1020·2	1023·1	+0·7	297·9	299·8	20th	293·3	290·7	14th	295·6	−0·4	*294·9*	65	− 19
532	Ponta Delgada	37 44	25 40	17	1021·8	1023·0	+0·6	297·4	298·5	10th, 27th	292·3	291·1	11th, 14th	294·9	−0·1	*294·1*	39	− 17
533	Madeira (Funchal)	32 37	16 54	25	1017·0	1019·9	+0·8	298·3	308·5	11th	293·0	291·0	7th	295·7	+0·3	*295·7*	3	0
535	Lisbon	38 43	9 9	95	1006·4	1017·6	+0·4	300·0	306·7	9th	290·3	287·8	6th	295·2	−0·1	*294·6*	0	− 5
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1014·7	1016·7	+1·3	300·3	303·0	16th, 19th	293·3	290·2	5th	296·8	−0·6	*296·5*	0	− 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	976·7	1016·2	+0·4	299·2	312·1	5th	292·5	288·5	29th	295·9	−1·6	295·1	12	+8
538	Palma	39 34	2 38	23	1014·8	1017·4	+0·2	301·8	305·6	11th	293·5	291·4	29th, 31st	297·7	−0·8	..	23	+5
538a	Tunis	36 48	10 10	33	..	1016·0	+0·5	304·9	314·8	6th	293·8	289·2	2nd	299·3	−0·1	*298·8*	2	−4
539	Malta	35 54	14 31	58·8	..	1016·8	+0·6	300·3	303·0	8th	293·2	291·1	3rd	296·7	−2·0	..	2	−1
540	Riposto	37 41	15 14	14·2	..	1016·3	+1·0	301·0	304·0	2nd	294·1	292·0	28th	297·5	−1·6	*296·9*	116	+105
541	Athens	37 58	23 43	107·1	1001·1	1013·5	+1·7	304·1	309·5	7th	294·9	291·8	24th	299·5	−0·4	299·1	9	−1
542	Alexandria	31 9	29 54	32·0	1007·6	1011·3	+1·0	303·3	305·3	19th	296·8	295·2	7th	300·1	−0·2	*298·8*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	997·4	1010·6	+0·7	308·1	313·4	9th	295·0	293·2	26th	301·5	+0·6	*300·6*	0	0
544	Nicosia	35 11	33 22	152	..	..	..	..	..	..	..	..	..	..	..	..	0	−2
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	996·3	1000·1	−1·2	316·0	319·2	3rd	298·6	295·3	30th	307·3	−0·5	..	0	−1
546	Lenkoran	38 46	48 52	−19	..	1012·0	0·0	..	304	..	..	289	..	..	−0·9	*297·3*	53	+6
547	Busrah	30 31	47 53	7·6	999·8	1000·8	−0·1	314·7	322·2	3rd	298·9	295·4	30th	306·8	+0·1	..	0	0
548	Meshed	36 16	59 35	946	903·0	1004·6	..	306·3	308·8	13th, 28th	283·9	278·1	3rd	295·1	−1·2	..	0	−1
549	Quetta	30 11	67 3	1677	827·6	..	−0·5	306·8	308·6	9th, 16th	288·7	284·6	30th	297·8	+0·2	..	0	−11
550																		
551	Lahore	31 34	74 20	214·0	975·7	997·8	−0·8	308·7	311·8	18th	299·7	295·9	11th	304·2	−0·1	*303·7*	70	−65
551a	Simla	31 7	77 8	2205	777·4	..	−0·8	291·9	293·3	3rd	287·9	284·2	5th	289·9	−0·3	..	526	+65
552	Leh	34 10	77 42	3503	664·7	..	−0·7	296·0	299·8	21st, 31st	281·7	278·8	4th	288·8	−1·6	..	13	0
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	505	−271
559	Hang Kow	30 35	114 17	37·0	1001·5	1005·7	−0·2	306·1	309·1	2nd	297·9	294·5	26th	302·0	−0·3	*301·5*	68	−34
560	Tiensin	39 10	117 10	5·0	1006·5	1007·0	−0·1	303·9	308·1	14th	296·1	292·4	27th	300·0	+0·5	*299·7*	73	−69
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·4	−0·6	306·3	310·2	3rd	296·6	293·2	6th, 25th	301·5	+0·7	300·5	105	−40
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1007·4	−1·3	301·7	305·8	22nd	295·1	291·5	26th	298·4	−0·1	298·0	186	−5
562a	Nagasaki	32 44	129 52	133·0	991·6	1006·8	−1·0	303·9	306·5	10th	296·6	292·7	30th	300·2	0·0	299·7	266	+77
563	Kioto	35 1	135 44	42·9	1003·8	1008·7	−0·3	305·9	309·3	7th	295·1	292·4	17th	300·5	+1·1	300·2	125	−14
564	Tokio	35 41	139 45	21·3	1006·7	1009·1	−0·7	304·3	307·5	11th	295·7	292·4	19th, 29th	300·0	+1·1	299·4	278	+145
565	Miyako	39 38	141 59	30·4	1006·3	1009·8	−0·8	300·2	306·6	1st	291·9	286·0	28th	296·1	+0·3	295·4	267	+88
566																		
		N.	E.															

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·9	1015·2	−1·1	301·6	303·0	..	296·8	294·7	..	299·2	+0·5	..	9	−27
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·4	1016·6	+1·9	303·2	304·1	25th	298·6	293·6	8th	300·9	0·0	*301·1*	208	+83
618	New Orleans	29 58	90 4	15·5	1015·5	1017·3	+2·3	304·8	306·9	2nd	296·6	293·0	16th	300·7	−0·6	*299·6*	215	+67
619	Havana	23 8	82 22	24·3	..	1017·3	+2·2	305·5	306·6	16th, 20th	297·3	295·8	23rd	301·4	+1·1	*301·1*	67	−76
620	Key West	24 33	81 48	6·7	1016·4	1017·3	+1·9	305·1	305·8	4th	299·0	295·2	11th	302·1	0·0	*301·8*	33	−83
621	Nassau, Bahamas	25 5	77 21	3·7	..	1020·2	+3·6	304·3	304·9	15th, 28th	298·4	295·5	7th, 22nd	301·4	+0·4	..	79	−90
622																		
633	La Laguna	28 28	16 20	547	954·2	1016·2	−1·2	299·6	312·0	12th	289·7	285·5	21st	294·7	−0·3	..	6	+4
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	298·4	301·2	10th	282·0	271·3	7th	290·2	+0·4	..	0	−4
637	Insalah	27 8	E 2 27	280	..	..	..	319·7	323·3	6th	301·0	294·1	25th	310·3	+1·2	*310·5*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	313·2	318·2	10th	296·0	292·5	1st	304·6	+0·9	*304·6*	..	..
643	Tor	28 13	33 37	1·9	1006·3	1006·5	+1·6	307·4	313·6	10th	297·9	293·9	6th	302·6	+0·6	*301·6*	..	..
644	Aswan	24 2	32 53	99·6	996·7	1007·8	+0·3	314·5	318·5	19th	299·7	296·8	27th	307·1	+1·2	*306·5*	..	..
647	Bushire	28 59	50 53	4·3	999·8	1000·4	+0·8	308·4	311·4	10th	301·9	298·4	18th	305·1	−0·3	..	0	0
648	Jask	25 44	57 47	4·0	1000·2	1000·6	+1·3	307·2	315·1	4th	301·7	300·2	21st	304·4	−0·4	..	0	0
649	Kurrachee	24 53	66 57	4·0	1001·5	1002·0	−0·4	303·8	305·3	20th	299·4	298·1	25th	301·6	−0·2	..	0	−40
650	Hyderabad, Sind	25 24	68 18	29·3	996·8	1000·1	−0·1	308·2	311·3	17th	299·6	297·7	31st	303·9	+0·1	..	0	−54
651	Jaipur	26 56	75 52	436·5	953·3	999·5	−0·3	306·3	311·3	17th	297·2	294·7	31st	301·8	0·0	*300·9*	35	−176
652	Nagpur	21 8	79 5	310·2	969·0	1003·5	−0·5	303·7	307·8	17th	296·7	294·6	5th	300·2	+0·1	..	177	−122
653	Allahabad	25 25	81 51	94·1	989·8	999·3	−0·6	304·9	307·7	17th	298·8	296·6	6th	301·9	−0·2	*301·3*	225	−81
654	Calcutta	22 36	88 23	6·4	..	1000·2	−0·8	304·4	306·7	23rd	299·3	296·1	5th	301·9	+0·6	*301·7*	239	−70
655	Gauhati	26 8	91 41	59·7	996·4	1003·1	−0·8	305·0	307·2	19th	298·4	297·2	13th	301·7	−0·1	..	346	+77
655a	Cherrapunji	25 15	91 42	1314	863·5	..	−1·2	294·6	298·4	19th	291·2	289·3	6th	292·9	−0·4	..	2485	+389
656	Shillong	25 33	91 48	1500	844·9	..	−1·1	296·7	299·1	16th, 18th	290·8	289·4	17th	293·7	0·0	..	217	−167
656a	Akyab	20 11	92 56	6·1	1004·4	1005·2	−0·1	302·7	304·6	14th	297·6	295·8	5th	300·1	−0·1	..	1464	+366
657	Phu Lien	20 48	106 37	115·6	990·4	1003·5	−0·3	305·7	310·5	15th	298·4	295·9	20th	302·1	+0·3	301·2	172	−93
658	Moncay	21 31	107 51	9	1002·4	1003·4	−0·1	305·2	308·8	15th	297·3	296·0	1st, 26th	301·3	0·0	*300·7*	424	−139
659																		
660	Hong Kong	22 18	114 10	33·2	1000·2	1003·9	−1·3	304·1	307·4	31st	298·7	296·9	15th	301·4	+0·5	300·9	107	−258
661	Taihoku, Formosa	25 2	121 31	9·3	1003·8	1004·8	−0·4	305·9	308·8	4th	297·1	295·3	1st	301·5	+0·3	301·0	29	−274
662	Naha	26 13	127 41	10·5	1004·3	1005·5	−0·5	304·5	306·4	8th	297·9	295·3	28th	301·2	+0·3	301·0	167	−92
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	781·5	..	+1·2	296·7	299·0	5th	285·1	283·5	16th	290·9	+0·5	290·2	145	+30
718a	Oaxaca	17 4	96 44	1563	847·8	..	..	302·2	305·8	7th	287·2	284·7	5th	294·7	..	*293·8*	37	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·6	..	..	296·9	..	..	..	..	146	−94
720	San Salvador	13 44	89 9	657	939·4	1012·1	+0·9	..	304·4	..	..	293·2	..	298·5	+1·9	..	253	−39
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·5	+1·3	303·8	304·9	sev. dates	295·9	294·0	13th	299·9	+0·1	*299·4*	218	+46
722	Port au Prince	18 34	72 22	37·4	1011·0	1015·3	+2·1	307·7	310·8	2nd	296·2	293·4	31st	301·9	+0·4	300·9	248	+113
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·6	1015·3	+1·3	303·6	305·0	3rd, 15th	298·2	296·5	16th	300·9	−0·1	..	45	−66
724	Grenada (Richmond Hill)	12 5	61 46	155·1	995·3	1013·1	+0·7	302·3	303·6	sev. dates	296·9	295·2	19th	299·6	+0·2	*299·0*	174	−65
725	Barbados	13 8	59 36	55·2	..	1014·8	+1·1	303·1	304·7	26th	298·3	294·9	13, 17, 26	300·7	+1·3	*300·5*	61	−118
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·8	1014·0	+1·5	300·5	302·0	13, 16, 21	294·3	292·0	9th	297·4	−1·4	*298·0*	96	+54
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·7	1014·6	+1·3	301·7	302·5	25, 26, 31	297·8	295·8	2nd	299·7	+0·2	*299·7*	11	−98
733	Bathurst	13 24	16 36	1·5	..	1012·7	+0·1	301·8	303·6	3, 7, 28	294·1	290·2	27th	297·9	−1·3	*298·5*	708	+209
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	305·7	308·6	10th	..	..	..	300·8	..	..	361	+97
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	295·1	293·0	30th, 31st	298·2	..	..	245	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	308·3	312·5	26th	296·9	292·9	25th	302·6	−1·6	*301·7*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	303·5	306·9	13th, 28th	295·1	292·4	6th, 7th	299·3	+0·1	..	291	+87
738	Kaduna Junction	10 50	7 25	640	..	..	..	300·3	304·1	12th, 21st	291·9	289·7	10th	296·1	−0·1	..	179	−117
739	Maiduguri	11 47	13 11	361	..	..	..	..	..	..	..	..	..	..	..	..	..	..
740	Katagum	12 17	10 22	30·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
742	El Obeid	13 11	30 14	585	948·7	1013·4	+1·0	306·2	310·4	20th, 22nd	293·6	290·7	24th	299·9	−0·2	*299·0*	190	+74
743	Khartoum	15 37	32 33	390	967·5	1010·8	+1·8	308·7	313·5	27th	297·3	293·9	5th, 9th	303·0	−1·5	*302·0*	54	+3
744	Port Sudan	19 37	37 13	5·9	1004·1	1004·8	+0·6	314·1	319·2	20th	302·7	299·8	7th	308·4	+0·7	*307·2*	1	−1
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	312·3	314·1	20th	305·8	303·6	18th	309·1	+0·4	*309·3*	1	0
746	Aden	12 45	45 3	28·7	1001·6	1004·7	−0·3	306·8	308·7	23rd	300·9	298·2	6, 7, 9	303·9	+0·8	..	3	0
751	Bombay	18 54	72 49	11·3	..	1005·8	+0·1	302·1	303·5	31st	298·3	297·3	14th	300·2	+0·1	*299·7*	337	−23
752	Bangalore	12 59	77 38	920	908·6	1006·2	+0·7	300·4	304·5	12th	291·9	290·9	8th, 22nd	296·2	−0·1	*295·1*	121	−18
752a	Kodaikanal	10 14	77 28	2343	769·9	..	+0·1	290·4	292·5	22nd	284·3	283·0	6th	287·3	−0·1	*287·3*	140	−33
753	Madras	13 4	80 14	6·7	..	1005·6	+0·1	307·1	310·8	2nd	298·0	296·1	11th	302·6	−0·2	*301·9*	239	+121
754	Waltair	17 45	83 16	68·9	995·9	1003·7	+0·2	303·9	307·8	29th	298·1	294·7	4th	301·0	−0·5	..	99	−43
755	Port Blair	11 40	92 40	17·7	1006·7	1008·6	+0·1	301·9	303·9	15th, 27th	297·4	295·2	3rd	299·7	−0·5	..	521	+145
756	Rangoon	16 46	95 48	5·5	1007·2	1007·9	+0·5	301·9	304·8	16th	296·9	294·9	4th	299·4	−0·5	..	584	+84
757	Saigon	10 46	106 42	11·2	1007·3	1008·5	+1·0	304·0	305·8	4th, 5th	296·4	294·4	9th	300·2	−0·5	..	200	−88
758	Nhatrang	12 16	109 12	3·7	1005·5	1006·0	+0·6	306·3	309·1	6th	296·6	294·5	3rd	301·5	−0·5	..	11	−26
759	Bolinao	16 24	119 53	9·7	..	1005·8	−0·7	303·7	306·1	6th	297·0	295·5	10th	300·3	0·0	299·8	1081	+521
760	Vigan	17 34	120 23	14·7	..	1005·5	−0·8	303·1	307·0	7th	296·9	295·2	24th	300·0	−0·2	299·6	1396	+707
761	Manila	14 34	120 59	14·2	..	1006·9	−0·5	304·6	307·1	5th	296·6	295·1	4th	300·6	0·0	300·0	492	+131
762	Ormoc	11 0	124 36	5·6	..	1008·2	+0·3	303·9	305·3	27th	297·2	294·8	2nd	300·5	+0·8	300·6	249	−14
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·4	303·4	1st, 17th	297·4	295·2	31st	299·9	−0·2	..	673	+295
		N.	E.															

AUGUST—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation: Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	307·0	309·7	7th, 9th	298·7	296·8	12th	302·9	+1·8	*301·7*	196	+94
819	Culebra	9 10	79 40	123·1	..	1010·1	−0·2	303·6	305·8	30th	296·3	293·6	28th	299·9	+1·0	..	247	−8
819a	Colon	9 23	79 23	3·0	..	1010·4	+0·1	301·9	304·1	5th	298·6	296·3	12th	300·2	+0·8	..	407	+26
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	40	−12
822	Caracas	10 31	66 56	1025	899·3	..	−0·3	..	..	..	..	..	..	292·7	−0·8	..	60	−48
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·6	..	..	302·8	304·1	28th	294·6	289·1	10th	298·7	..	..	122	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·0	+1·7	303·3	304·1	4, 24, 28	297·1	295·8	4, 6, 30	300·2	+0·2	..	112	−56
826	Paramaribo	5 49	55 9	4	..	1014·3	+0·9	..	..	..	..	..	..	300·3	−0·2	..	87	−62
826a	Cayenne	4 56	52 21	6	..	..	..	305·4	307·6	26th	295·9	294·8	15th, 18th	300·7	+0·1	*300·7*	33	−37
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1007·2	1015·1	+1·8	301·1	302·6	16th	294·3	290·2	8th	297·7	−0·9	..	430	−484
835	Cape Coast Castle	5 5	1 13	..	..	..	..	300·0	301·9	17th	292·2	289·7	10th	296·1	−1·5	..	3	−15
836	Accra	5 35	W 0 6	18	..	..	..	300·4	301·3	13th	295·3	291·9	8th	297·8	+0·9	..	13	−2
837	Lagos	6 27	E 3 24	1·8	..	1015·5	+1·9	300·7	303·6	..	295·1	293·0	..	297·9	−0·2	..	21	−47
838	Zungeru	9 49	6 10	185·3	..	1013·8	+0·3	303·7	307·4	13th	295·3	293·6	4th, 10th	299·5	+0·8	..	87	−143
838a	Libreville	0 23	9 26	35	..	..	..	302·1	304·0	11th	293·2	291·0	9th	297·7	+0·1	..	6	−13
839	Yola	9 12	12 30	259	..	..	..	304·9	308·6	2nd, 11th	295·0	293·0	18th, 31st	299·9	+1·1	..	114	−95
841	Wau	7 42	28 3	440	961·9	1010·7	−0·9	310·7	313·0	sev. dates	292·9	292·0	sev. dates	301·8	+2·6	*300·2*	182	−32
842	Malakal (Kodok)	9 53	32 8	387·5	968·3	1011·7	+1·2	304·2	306·7	17, 23, 27	293·4	292·1	3rd, 11th	298·8	−0·4	*297·0*	214	+44
843	Entebbe	0 5	32 29	1171	885·5	..	+0·7	298·5	301·6	19th	289·6	288·1	11th, 17th	294·1	+0·4	*293·5*	79	0
844	Mongalla	5 11	31 47	439·0	960·3	1009·1	−0·4	304·1	307·7	20th	293·7	292·1	1st, 11th	298·9	−0·1	*297·2*	86	−67
845	Harrar	9 42	42 30	1856	..	..	..	296·2	298·0	sev. dates	286·6	285·0	2nd, 3rd	291·4	−0·2	..	268	+108
851	Cochin	10 0	76 21	2·7	1010·8	1011·0	+0·2	301·7	303·1	23rd	296·6	295·1	6th	299·1	−0·2	..	407	+75
852	Colombo Observatory	6 54	79 53	7·3	1009·0	1009·8	+0·9	302·9	304·1	27th, 30th	297·5	295·9	5th	300·2	−0·3	..	38	−47
852a	Newera Elija	6 59	80 47	1886	..	..	..	293·3	296·4	31st	285·6	282·3	10th	289·5	+1·3	..	178	−24
853	Trincomalee	8 34	81 14	30·2	1003·6	1007·0	+0·9	308·2	310·2	28th	298·2	296·8	31st	303·2	+0·9	..	173	+63
855	Medan	3 35	98 41	23·5	..	1009·7	−0·1	304·6	306·3	27th	294·6	292·6	?	299·6	..	299·0	157	−26
856	Kota Radja	5 32	95 20	7·1	..	1009·6	−0·5	..	..	..	..	..	..	..	..	..	123	+4
857	Penang	5 34	100 20	6·3	1008·8	1009·5	−0·2	305·0	308·3	17th	296·3	294·7	19th	300·7	+0·3	..	93	−224
858	Singapore	1 17	103 51	3·0	1010·2	1010·5	+1·0	304·4	306·1	30th	297·9	295·2	10th	301·1	+0·8	..	33	−166
860	Sandakan	5 49	118 12	..	..	..	..	306·3	..	..	299·1	..	..	302·7	+2·1	..	112	−99
861	Tagbilaran	9 38	123 51	26·2	..	1008·2	+0·2	304·5	306·6	2nd, 25th	297·4	295·4	4th	300·9	0·0	300·5	192	+62
861a	Menado	1 30	124 50	3·5	..	1009·0	+0·2	305·2	306·7	26th	295·9	293·8	25th	300·5	..	300·1	0	−102
862	Surigao	9 48	125 29	6	..	1007·8	−0·1	305·5	308·4	27th	297·5	296·0	24th	301·5	+0·4	301·1	98	+7
863	Yap	9 29	138 8	31·9	..	..	..	304·0	305·6	1st, 2nd	296·9	?294·2	?11th	300·5	..	..	270	−111
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·5	1010·5	−0·7	..	..	..	..	..	..	..	+0·9	*302·1*	35	− 5
906																		
923	Manaos	3 8	59 59	44·9	1004·8	1009·9	+1·0	..	307·6	..	..	296·0	..	300·7	−0·2	..	48	+ 7
925	Turyassu	1 25	45 15	15·1	1011·6	1013·3	..	..	305·7	..	..	292·3	4th	299·2	..	..	69	..
929	Quixeramobim	5 16	39 15	207·0	991·9	1015·6	+1·4	..	304·9	..	..	294·0	..	299·0	−1·1	*298·9*	80	+ 69
930	Fernando Noronha	3 50	W32 20	93·0	1003·3	1014·1	+1·3	..	300·6	..	..	294·7	..	297·9	+0·3	..	10	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	299·1	301·9	18th	?288·4	?286·3	14th	?293·7	+0·2	*292·8*	48	− 75
944	Nairobi	1 18	36 59	1661	..	..	..	294·9	300·2	19th	282·9	278·6	12th	288·9	0·0	..	74	+ 47
944*a*	Zanzibar	6 10	39 11	21·9	1016·4	1018·8	0·0	301·1	302·6	4th	296·2	294·7	6th	298·7	+0·8	..	93	+ 49
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·9	306·3	6th	297·4	295·2	25th	299·7	..	..	44	− 11
947	Seychelles, Port Office	4 37	55 27	4·6	1012·5	1013·0	+0·5	300·4	301·8	22nd	297·8	296·6	18th	299·1	+0·5	..	19	− 40
957	Padang	0 56	100 22	6·7	..	1011·3	+0·2	304·0	305·8	4th	295·6	294·4	24th	299·8	..	299·2	277	− 84
958	Batavia	6 11	106 50	8	1010·7	1011·6	+1·2	304·1	305·0	29th	295·5	293·6	3rd, 5th	299·8	+0·4	299·5	5	− 31
958*a*	Pontianak	0 1	109 20	2·6	..	1010·6	+1·3	305·1	306·4	21st	295·1	293·7	29th	300·1	..	299·4	66	− 158
959	Passeroean	7 38	112 55	5·0	..	1012·5	+1·4	302·0	303·9	30th	291·7	288·9	23rd	296·9	−1·6	297·3	0	− 6
960	Kajoemas	7 56	114 9	950	..	..	..	296·2	298·2	4th	287·9	286·8	1st	292·1	..	291·4	4	− 11
962	Ambon	3 42	128 10	4·2	..	1013·2	+2·2	300·0	301·3	30th	294·7	292·5	2nd	297·3	−0·4	297·1	21	− 374
963	Manokwari	1 10	134 20	19·0	..	1009·4	..	..	..	..	..	..	..	..	..	..	13	− 137
965	Daru	9 4	143 13	7·6	..	1010·8	−0·7	300·9	..	..	295·4	..	..	298·2	+0·2	..	39	− 17
966	Port Moresby	9 29	147 9	39·0	..	1014·3	+2·1	300·1	..	..	294·8	..	..	297·4	−1·2	..	0	− 21
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1012·2	+1·8	..	..	..	..	..	..	..	..	..	99	−271
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·7	1010·9	+0·4	302·8	304·7	29th, 30th	296·9	295·8	21, 24, 28	299·8	−0·1	..	6	−170
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·2	1008·1	−0·4	303·3	304·4	8th, 30th	296·7	294·9	12th	300·0	−1·0	*299·3*	215	+147

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	0·0	..	304·5	..	..	293·6	..	..	+1·0	299·1	113	+ 15
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	292·5	295·0	7th, 10th	287·0	286·0	15th	289·7	+0·6	*289·7*	0	0
1022	Arequipa	16 22	71 33	2451	761·7	..	+0·2	293·7	295·5	18th	281·9	279·3	26th	287·8	+0·9	*287·2*	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	728·9	..	..	296	..	..	277	..	..	286·5	0	..	0	− 4
1026	Cuyaba	15 35	56 0	235	994·0	1021·0	+0·1	..	308·0	..	..	287·4	20th	298·7	+0·1	..	38	+ 10
1027	Bello Horizonte	19 55	43 56	857	922·8	1019·5	..	298·1	301·0	18th	284·7	281·0	7th	291·4	..	..	0	..
1028	Cætite	14 2	42 37	900	916·5	1017·1	−2·0	..	304·0	..	..	286·0	..	293·7	+0·3	*293·4*	0	− 5
1029	Ondina	13 12	38 30	46·6	1012·4	1017·8	..	..	301·5	..	..	292·7	..	296·4	..	..	99	..
1030	Aracaju	10 55	37 4	4·3	1017·1	1017·6	−0·2	..	304·3	..	..	293·8	..	298·2	+0·2	..	127	+ 74
1035	St. Helena	15 57	W 5 40	632	948·5	1020·8	−0·5	290·7	294·1	8th	284·6	283·6	12th	287·7	+0·4	*287·4*	141	+ 40
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	860·3	..	−1·5	296·3	303·6	25th	..	..	..	..	..	..	6	+ 1
1043	Salisbury, Rhodesia	17 48	31 5	1472	860·9	..	0·0	297·9	303·6	25th	281·1	277·4	19th	289·5	+0·9	..	2	+ 1
1044	Zomba	15 23	35 18	899	..	1015·5	−0·7	299·6	301·9	26th	284·2	283·0	sev. dates	291·9	+0·3	*290·2*	133	+125
1045	Sainte-Marie	17 0	49 51	15	..	..	..	297·9	299·2	4th	292·8	291·0	16th	295·3	..	..	205	..
1046	Tananarivo	18 55	47 32	1400	870·3	..	+2·2	294·8	298·8	2nd	283·0	279·6	27th	288·9	+0·6	*287·5*	3	− 6
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1013·9	+0·5	301·8	303·3	14th	297·1	294·9	18th	299·4	+0·5	..	130	+ 5
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·8	1011·4	+0·9	303·4	304·3	..	295·6	293·8	..	299·5	+0·1	..	20	− 45
1058																		
1061	Koepang	10 10	123 34	3·3	..	1013·9	+1·9	303·8	305·8	25th	292·8	290·0	25th	298·3	..	297·9	0	− 2
1061*a*	Derby	17 18	123 40	16·2	..	1016·9	+2·3	304·6	307·3	22nd	290·4	284·9	16th	297·5	+0·9	..	3	− 5
1062	Hall's Creek	18 13	127 46	373·6	..	1017·5	+2·0	303·4	306·3	22nd, 31st	284·5	277·0	15th	293·9	+0·2	..	0	− 1
1063	Port Darwin	12 28	130 51	29·6	..	1014·7	+2·3	303·7	305·1	24th, 25th	293·6	292·0	2nd	298·7	−0·7	297·8	2	− 4
1064	Daly Waters	16 16	133 23	210·6	..	1015·1	+1·1	304·7	307·4	31st	288·3	283·8	15th	296·5	+0·7	*295·8*	0	− 6
1065	Mein	13 13	142 47	121·9	..	1014·5	+1·9	300·7	302·4	20th, 21st	280·1	284·3	19th	294·9	−2·0	..	9	+ 5
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1018·2	+2·4	301·1	303·3	31st	285·6	279·1	23rd	293·3	−1·0	..	0	− 171
1067	Samarai	10 37	150 40	..	..	1013·3	+1·0	..	..	..	295·4	..	..	296·4	−1·4	..	80	− 171
1068																		
1072	Suva, Fiji	18 8 S.	178 26 E.	4·3	1014·5	1015·1	−0·7	296·8	299·6	12th, 31st	292·0	287·1	20th	294·4	−1·8	..	365	+156
		° ,	° ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

AUGUST—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1013·4	1014·1	−0·5	296·7	299·7	20th	289·7	286·3	7th	293·2	−1·0	..	90	− 23
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·8	1016·2	−1·5	288·9	292·8	22nd	279·8	277·0	31st	284·3	+1·3	*286·3*	0	− 13
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1011·7	1019·5	+0·6	294·2	303·7	11th	284·5	278·0	29th	289·4	+0·9	*288·3*	62	+ 26
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	916·1	1019·8	−0·6	..	301·7	..	..	273·4	..	287·0	+0·5	..	36	− 57
1128	Rio de Janeiro	22 54	W43 10	61·4	1011·3	1018·6	−2·0	..	306·7	..	..	288·5	4th	..	+1·0	294·6	4	− 43
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	289·6	295·3	31st	277·7	269·6	25th	283·6	−1·6	..	22	+ 13
1142	Kimberley	28 42	24 47	1202	887·0	..	+0·6	293·6	301·1	30th	276·6	269·1	25th	285·1	−0·4	284·8	9	+ 2
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1021·7	+0·6	298·1	307·0	24th	286·4	282·7	5th	292·3	−0·5	291·8	2	− 14
1147	Mauritius	20 6	57 33	54·3	1015·4	1021·9	+1·4	296·7	297·7	30th	290·0	287·3	30th	293·3	+0·1	293·1	43	− 17
1159	Onslow	21 43	114 57	4·3	..	1017·2	+1·0	301·9	305·3	10th	287·1	281·7	15th	294·5	+2·4	..	0	− 9
1160	Peak Hill	25 38	118 47	588	..	1018·2	+0·8	297·2	303·2	27th	284·8	280·5	16th	291·0	+2·9	..	7	− 6
1161	Nullagine	21 53	120 5	386	..	1018·3	+1·6	301·1	305·7	28th	285·3	275·7	16th	293·2	+2·3	..	6	− 4
1162	Laverton	28 40	122 23	466	..	1022·2	+2·7	294·8	304·1	27th	282·4	277·4	5th	288·6	+2·5	..	14	− 2
1163	Alice Springs	23 38	133 37	587	..	1020·7	+2·9	297·1	303·3	30th	279·1	274·7	15th	288·1	+0·4	288·7	0	− 9
1164	William Creek	28 55	136 21	76·2	..	1023·3	+3·7	297·3	303·4	30th	281·1	275·2	1st	289·2	+2·6	*289·0*	0	− 7
1165	Boulia	22 55	139 38	146	..	1019·6	+2·9	301·3	306·3	31st	284·1	279·7	21st	292·7	+2·5	..	0	− 7
1166	Mitchell	26 32	147 52	336	..	1022·0	+3·2	295·6	300·8	31st	276·1	271·9	12th	285·9	+0·2	..	5	− 20
1167	Rockhampton	23 24	150 30	11·3	..	1021·8	+2·9	298·6	301·9	19th	284·8	280·3	17th	291·7	+0·6	..	0	− 25
1168	Brisbane	27 28	153 2	41·7	..	1023·3	+4·4	295·4	298·9	30th	283·6	279·6	16th	289·5	+0·6	..	7	− 49
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5 S.	167 53 E.	117	..	..	..	290·9	293·6	21st	286·8	283·3	16th	288·9	0·0	..	64	− 80

AUGUST—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	288·4	292·0	21st	282·8	280·5	28th	285·6	+0·4	*286·0*	65	− 30
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1013·2	1018·0	−0·6	289·2	296·8	28th	282·2	279·0	19th	285·7	0·0	*285·4*	134	+ 65
1222	Santiago	33 27	70 42	520	956·4	1017·8	−1·0	288·5	297·0	1st	278·5	272·0	17th	283·0	..	*283·3*	159	..
1222*a*	Concepcion	36 50	73 3	15	1016·6	1018·4	..	287·5	293·4	8th	278·8	269·6	20th	285·0	−0·4	284·3	42	+ 29
1223	Cordoba	31 25	64 12	439	967·3	1019·3	−0·3	291·2	305·4	..	277·4	270·5	..	282·4	−0·4	..	3	− 23
1224	Bahia Blanca	38 45	62 15	20	1015·7	1018·1	+2·7	287·4	293·6	8th	281·1	275·3	25th	284·8	+0·2	*284·5*	221	+160
1225	Buenos Ayres	34 16	58 22	25·2	1014·7	1017·7	−1·5	288·5	298·1	10th	285·4	280·2	2nd	288·0	+0·3	287·9	113	+ 3
1225*a*	Rio Grande	32 2	52 9	2	1014·5	1014·7	−1·7	290·6	298·1	13th	..	279·7	3rd	..	+2·7	285·9	327	+249
1226	Montevideo	34 55	W56 13	24·9	..	1016·5	−1·0	..	295·9	..	..	275·7	12th	285·2	−0·7	..	111	+ 24
1239	Cape Town	33 56	E18 29	12	..	..	..	289·6	296·2	20th	280·7	..	..	..	..	..	..	..
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1022·0	+3·2	292·9	300·2	12th	282·2	278·1	21st	287·5	+1·2	..	60	− 83
1260	Katanning	33 42	117 35	310	..	1022·0	+4·0	291·8	299·6	29th	278·8	273·7	23rd	285·3	+1·9	..	18	− 45
1261	Coolgardie	30 57	121 10	423	..	1022·1	+3·1	293·7	300·0	14th, 25th	280·9	277·9	4th	287·3	+2·3	..	58	+ 32
1262	Eucla	31 45	128 58	4·6	..	1022·3	+4·3	292·9	303·6	27th	281·9	277·4	1st	287·8	+2·1	..	12	− 2
1263	Streaky Bay	32 48	134 13	13·1	..	1024·3	+4·9	293·6	301·3	27th	281·9	277·6	25th	287·6	+2·4	*287·5*	9	− 37
1264	Adelaide	34 56	138 35	42·7	..	1025·5	+6·3	293·0	299·0	27th	282·2	277·6	25th	287·6	+2·4	*287·5*	9	− 55
1265	Melbourne	37 49	144 58	35·1	..	1025·9	+7·8	288·9	295·5	27th	279·8	273·6	10th, 30th	284·3	+0·7	283·8	17	− 29
1266	Bourke	30 13	145 58	110	..	1025·3	+6·1	295·6	301·9	31st	279·6	274·1	11th	287·6	+0·9	..	0	− 22
1267	Sydney	33 51	151 13	44·5	..	1025·1	+6·9	291·2	296·3	18th	283·0	280·2	11th	287·1	+1·3	..	54	− 24
1268	Lord Howe Island	31 33	159 0	4·6	..	1023·0	..	291·7	294·9	30th	285·9	282·3	8th	288·8	..	..	81	− 52
1271	Auckland	36 50	174 50	38·1	..	..	..	286·6	288·6	three times	280·2	277·7	twice	283·4	−0·8	..	29	− 79
1272	Napier	39 32 S.	176 53 E.	21·3	..	1018·2	+3·6	287·4	291·6	30th	278·1	273·0	9th	282·7	−0·4	..	27	− 60

AUGUST—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1014·5	..	282·8	285·8	twice	277·2	274·1	26th	280·0	−0·7	..	95	+ 6
1302																		
1321	Isla Huafo	43 34	74 45	140	998·3	1015·4	+0·6	282·1	285·5	30th	278·4	274·2	11th	280·3	0·0	*280·8*	74	− 74
1322	Punta Galera	40 1	73 44	40	1012·4	1017·3	+0·1	285·4	290·0	30th	279·6	275·4	16th	282·5	+0·6	*282·7*	158	−111
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1019·8	+6·2	287·1	295·0	28th	279·2	273·8	30th	283·1	+1·2	*282·6*	29	− 18
1366	Launceston	41 27	147 10	10·1	..	1022·0	+7·5	287·8	292·5	22nd	277·1	271·2	30th	282·4	+1·1	..	20	− 50
1370	Invercargill	46 25	168 21	5·5	..	..	..	284·4	290·2	30th	274·9	270·2	13th	279·7	−0·1	..	117	+ 28
1371	Dunedin	45 52	170 31	91	..	1015·1	+2·4	284·7	293·0	28th	276·6	271·3	13th	280·7	+1·1	..	19	− 65
1371*a*	Christchurch	43 32	172 38	7·6	..	1016·6	+2·3	284·8	290·6	10th	274·1	270·4	8th	279·4	−0·5	..	21	− 32
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1018·2	+4·2	286·1	290·1	19th	278·4	272·7	15th	282·3	+0·1	..	29	− 87
		° ,	° ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
1421	Islota de los Evangelistas	52 24	75 6	55	999·2	1006·0	+3·0	282·6	283·1	5th	275·6	272·4	13th	279·1	+0·9	*278·1*	167	— 37
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·2	1005·7	+2·5	278·2	282·9	21st	272·8	267·8	14th	275·5	+0·2	*275·7*	26	— 32
1423	Punta Dungeness	52 24	68 26	5	1005·5	1006·1	+3·0	278·9	281·0	20th	274·7	271·7	10th	276·8	+0·4	*276·4*	12	— 6
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	996·3	1002·5	..	276·9	280·5	21st	273·3	269·3	14th	275·1	..	275·3	22	..
1425	Cape Pembroke	51 41	57 42	21	1003·2	1005·0	+1·4	278·6	280·8	27th	273·2	270·2	14th, 15th	275·9	+0·1	276·1	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	999·3	−0·8	274·2	280·7	20th	268·5	263·1	1st	271·4	+0·2	*271·3*	112	— 11
1467	Macquarie Island	54 30	158 57	9·1	..	999·0	−2·2	276·8	..	..	273·8	..	..	275·3	..	..	97	..
		S.	W.															

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 ° 44 ′	W. 44 ° 39 ′	6·7	993·3	994·2	−1·0	270·5	277·0	20th	259·4	248·0	26th	264·9	+1·5	265·6	21	— 12
1528				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	135	135	110	135	5·8	SW 2	Calm 0	Calm 0	SW 4	E	SE 1	WSW 3	SW 2	NW 1
2	150	150	150	150	6·5	Calm 0	E 2	S 1	SW 1	..	Calm 0	SW 2	W 1	NE 1
3	150	135	120	110	6·1	N 2	SW 2	SE 1	Calm 0	E	Calm 0	SW 4	W 1	Calm 0
4	110	120	110	110	2·7	W 2	NE 2	S. 1	SW 2	E	SE 2	SW 2	W 1	Calm 0
5	110	110	110	110	1·8	SE 2	Calm 0	SE 1	SW 2	E	SE 4	W 2	W 1	SE 3
6	120	135	120	120	4·6	SE 2	NE 2	SW 1	SW 2	E	SE 3	WNW 2	NW 3	SE 3
7	120	135	135	135	4·1	SE 3	SE 3	SW 1	Calm 0	SE	SE 4	NNW 3	Calm 0	Calm 0
8	120	135	135	135	4·2	ESE 3	E 3	SE 1	Calm 0	SE	SE 5	N 2	N 1	NE 1
9	135	135	150	150	4·1	E 2	E 3	N 1	SW 1	E	SSE 5	Calm 0	Calm 0	SE 2
10	150	150	150	150	4·0	SE 3	SE 3	N 1	S 1	E	SE 4	NW 3	W 2	N 3
11	160	150	135	120	7·2	E 3	NE 3	Calm 0	S 1	SE	Calm 0	W 2	Calm 0	SE 3
12	120	135	135	135	7·4	S 3	SW 2	S 1	S 1	SE	SE 1	NW 1	Calm 0	SW 2
13	150	160	135	135	6·1	SE 2	N 2	SSE 1	SW 1	SE	SE 1	NW 1	Calm 0	NE 1
14	135	150	150	160	6·9	E 2	E 3	S 1	SW 2	SE	SE 3	NW 1	Calm 0	SE 3
15	160	150	160	180	9·0	SE 3	SE 2	S 1	SW 1	SE	SE 3	E 1	Calm 0	SE 4
16	150	170	160	150	(9·1)	SE 3	SE 2	S 2	SSW 2	SE	..	N 1	Calm 0	Calm 0
17	135	135	150	135	(8·0)	E 3	ENE 2	Calm 0	SW 1	E	SE 4	E 1	Calm 0	NE 2
18	150	135	135	120	6·4	E 2	E 3	S 2	SW 2	E	SE 4	S 1	S 3	NE 2
19	135	135	150	150	4·8	SE 4	SE 2	S 2	SW 2	E	SE 1	S 1	W 1	SW 2
20	160	160	160	160	4·4	S 2	SE 4	S 2	SW 2	E	SE 4	SSE 2	Calm 0	S 1
21	160	160	150	160	6·8	E 4	SE 4	SW 2	SW 2	E	SE 3	E 2	E 1	NE 2
22	160	160	150	160	7·9	SE 3	SE 3	S 1	SW 2	E	SE 4	N 1	NE 1	NE 2
23	150	135	135	135	10·4	SE 3	NE 2	SW 1	SW 1	E	..	Calm 0	Calm 0	NE 2
24	135	120	120	135	10·5	ESE 3	E 3	W 1	SW 1	E	Calm 0	NW 1	W 1	NW 1
25	135	135	135	135	9·9	NE 2	NE 2	Calm 0	Calm 0	E	SE 5	W 2	SE 2	N 1
26	135	135	135	135	(10·3)	SE 4	SE 4	Calm 0	SW 1	E	Calm 0	W 1	S 2	Calm 0
27	135	135	135	135	(7·7)	SE 4	SE 4	SW 1	Calm 0	SE	Calm 0	NNW 1	NW 2	SE 3
28	135	160	135	150	6·7	E 3	E 4	SW 1	SW 1	E	SE 1	NW 1	W 2	E 4
29	135	160	170	170	7·0	E 3	E 2	S 1	SW 1	NE	Calm 0	W 4	Calm 0	NE 2
30	150	..	..	..	(12·6)	SE 4	SE 3	SW 1	Calm 0	SE	Calm 0	WSW 1	Calm 0	Calm 0
31	..	..	..	..	(8·9)	E 2	SE 3	Calm 0	W 1	SE	E 3	WNW 2	Calm 0	Calm 0
Mean	139	142	139	140	6·8		2·7		1·3	..	2·3	1·7	1·0	1·6
Resultant†	140°				..		110° (64)		210° (67)	105° (91)	135° (70)	280° (34)		75° (30)
Normal†	141°				8·1		124° (79)		259° (43)	93° (88)	135° (82)	105° (61)		103° (51)

* Direction and velocity of the South-East Trade Wind at 632 metres. † Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1914.

**Kara Sea.*—"The sea was open along the Yalmal Coast and N. of White Island, and the mouths of the Obi and Yenisei were free of ice."

**Barents Sea.*—"The edge of the heavy polar ice was encountered in 40° E., 75° N."

**Spitsbergen.*—"Much scattered ice around E. and N. coasts: the unbroken edge was met 12 miles off the N. coast."

**Iceland.*—"The coasts were free."

North Atlantic and Labrador.—"The southern limit was 44° N., and the eastern one 42½° W. Icebergs numerous in Belle Isle Strait and along Labrador coast."

**Davis Strait.*—"Scattered ice and icebergs extended to about 30 miles off Cape Farewell, but vanished near the end of the month. From the middle of the month the sea was open from Julianehaab northward."

**Smith Sound.*—"Was practically free of ice."

**Baffin Land.*—"Only icebergs sighted until Cape Dier reached, when scattered ice began. Great masses of heavy ice further north.

* *Isforholdene i de arktiske Have, 1914*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

SEPTEMBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max.	Absolute Max	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1009·4	1011·8	+3·4	..	..	..	270·7	265·7	27th	..	−0·7	*273·1*	9	−17
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1008·1	1009·6	−0·9	..	278·6	6th	269·7	263·4	29th	..	..	272·2	29	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1003·5	1004·3	−3·6	..	286·8	15th	277·4	272·8	30th	..	−0·1	*279·4*	127	+58
142	Mehavn	71 1	27 47	6·4	1003·8	1004·6	−4·6	..	286·1	13th	277·2	273·8	6th	..	0·0	*279·4*	95	+12
143	Vardö	70 22	31 8	10·0	1003·5	1004·7	−4·1	..	284·4	15th	277·4	274·2	23rd	..	0·0	*279·2*	54	0
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

SEPTEMBER—ZONE 2. Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1010·4	1011·1	+2·9	280·1	284·7	..	272·3	267·4	..	276·2	−2·0	..	31	− 17
204	Candle	65 55	161 57	? 2·4	..	..	..	281·4	285·8	6th	268·2	258·6	27th	274·8	..	..	22	..
205	Tanana	65 12	152 0	? 74	1001·8	?1011·0	..	281·3	287·4	..	270·2	260·8	..	275·7	−1·4	..	15	− 18
206	Rampart	65 30	150 15	? 122	..	..	..	283·9	296·3	2nd	269·8	255·8	28, 29, 30	276·9	..	..	13	− 22
207	Valdez	61 6	146 13	3·1	1006·2	1006·6	−3·7	284·2	289·1	..	275·7	268·0	..	279·9	−0·8	..	109	−105
208	Eagle	64 46	141 12	250	976·9	1007·2	−0·6	283·4	295·8	..	270·1	261·3	..	276·7	−1·3	..	27	− 7
209	Dawson	64 4	139 20	328	968·8	1008·8	−3·0	283·1	294·1	3rd	271·7	261·9	18th, 19th	277·4	−1·4	..	31	− 17
210	Carcross	60 11	134 34	662	..	..	..	283·2	290·2	3rd	274·6	269·1	15th	278·9	−1·5	..	48	+ 23
211																		
212	Fort Simpson	61 52	121 35	129	993·6	1009·4	..	285·6	293·0	4th	276·6	268·6	20th	281·1	+1·7	*281·5*	14	− 24
213	Hay River	60 51	115 20	161	990·5	1010·2	..	283·7	294·7	1st	276·5	270·8	17th	280·1	−0·4	..	60	..
214	Fort Resolution	61 10	113 50	240	..	..	..	283·6	293·6	..	275·8	269·1	..	279·7	..	..	57	..
225	Jacobshavn	69 13	51 2	12·6	1009·5	1011·1	+2·9	276·3	281·7	8th	270·7	264·0	29th	273·5	−1·1	*273·6*	14	− 21
226	Godthaab	64 11	51 44	9·0	1006·0	1007·1	+1·3	278·9	282·4	4th	273·2	269·2	29th	276·1	−0·5	*275·3*	17	− 66
229	Angmagsalik	65 37	37 34	31·7	1005·2	1009·1	+1·6	279·6	284·6	2nd, 15th	272·1	267·1	29th	275·9	−1·0	*275·2*	81	− 34
230																		
231	Stykkisholm	65 5	22 46	11·3	1007·1	1008·5	+2·7	281·6	287·7	7th	277·3	271·5	28th	279·5	−0·4	*279·4*	123	+ 54
232	Vestmanno	63 26	20 15	7·7	1005·9	1006·8	+0·5	282·9	285·8	8th	278·3	272·2	28th	280·6	−0·4	*280·8*	153	+ 8
233	Grimsey	66 33	17 58	22·0	1007·0	1007·8	+0·8	280·4	287·2	8th	275·9	271·1	26th, 27th	278·1	−0·6	*278·1*	51	+ 17
234	Berufjord	64 40	14 19	18·0	1004·7	1006·9	−0·3	283·2	289·2	9th	277·0	271·4	29th	280·1	−0·3	*279·6*	104	− 21
235	Thorshavn	62 3	6 45	25·7	1007·4	1010·5	+0·2	284·6	287·9	7th	279·7	274·6	20th	282·1	0·0	..	94	− 25
236	Lerwick	60 9	W 1 8	18·0	1009·8	1011·8	+0·4	285·3	289·1	7, 8, 10	281·5	278·0	29th, 30th	283·4	+0·1	..	87	+ 11
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·0	1011·4	−0·1	..	295·0	10th	282·0	277·2	30th	..	0·0	*284·3*	262	+ 32
238	Christiansund	63 7	7 45	17·8	1006·4	1008·5	−1·8	..	291·8	10th	282·0	277·8	30th	..	+0·4	*284·0*	200	+ 67
239	Trondhjem	63 26	10 25	39·5	1003·9	1008·7	−1·7	..	292·9	11th	280·5	275·6	30th	..	+0·2	*282·9*	153	+ 66
240	Bodö	67 17	14 24	20·5	1003·4	1005·9	−3·2	..	289·6	13th	279·4	274·2	30th	..	+0·3	*282·1*	168	+ 53
241	Haparanda	65 50	24 9	9·2	1004·7	1005·8	−4·6	284·1	291·0	11th	277·7	269·5	23rd	280·9	+0·1	*280·7*	51	− 4
242	Helsingfors	60 10	24 57	11·7	1007·1	1008·6	−4·2	285·8	290·4	7th	280·5	275·0	23rd	283·2	−0·4	283·2	94	+ 32
242*a*	Knopio	62 54	27 40	99·7	995·5	1006·4	−6·2	285·2	291·8	11th	279·3	273·5	23rd	282·2	+0·3	*282·1*	53	− 8
243	Kola	68 53	33 1	6·7	..	1005·5	−4·0	..	287·6	14th	..	272·4	22nd	..	+1·6	*279·0*	40	+ 4
244	Petrozavodsk	61 47	34 23	38·9	..	1009·6	−3·3	..	294	..	..	272	..	..	+0·3	*282·4*	49	− 13
245	Arkhangelsk	64 33	40 32	6·7	..	1008·2	−3·2	..	288	..	..	271	..	..	−0·3	*280·7*	56	+ 1
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1007·9	−4·1	..	290	..	..	270	..	..	−0·6	*278·9*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1010·2	−1·4	..	?289·8	16th	..	?268·0	26th	..	+0·9	*279·6*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	? 108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkholansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Etimates not based on at least six equally spaced observations each day are in *italics*.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302																		
303	Dutch Harbour	53 55	166 30	4·0	1014·6	1015·1	+7·0	287·5	298·6	14th	279·9	273·0	26th	283·7	+2·0	..	105	−65
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	284·7	289·1	13th	277·5	273·0	18th, 22nd	281·1	..	..	58	−59
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1004·5	1007·8	−5·0	286·9	293·6	..	280·0	276·3	..	283·5	−0·3	..	220	−42
310	Prince Rupert	54 18	130 18	52	1003·0	1010·1	−4·1	287·1	291·9	7th, 15th	280·9	276·3	11th, 26th	284·0	−0·3	..	259	+27
311	Barkerville	53 2	121 35	1274	865·9	1011·2	−4·4	284·4	291·9	1st, 2nd	274·8	268·0	15th	279·6	−1·0	*279·5*	95	+ 5
312	Kamloops	50 41	120 29	380	970·2	1011·2	−2·6	292·2	302·4	3rd	281·1	275·5	16th	286·6	−1·1	*286·4*	28	+ 4
313	Calgary	51 2	114 2	1033	889·9	1008·4	−5·3	292·9	300·8	3rd	276·7	271·9	21st, 22nd	284·8	+1·5	*284·8*	28	− 4
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	956·6	1009·1	−3·9	288·1	297·4	26th	277·8	271·9	17th	282·9	+0·2	*282·9*	28	− 7
316	Qu'Appelle	50 30	103 47	645	935·3	1010·8	−3·4	293·2	303·6	18th	278·4	271·3	3rd	285·8	+1·7	*285·4*	15	−20
317	Minnedosa	50 15	99 50	515	952·6	1013·5	−0·2	293·3	302·1	18th	278·5	270·8	22nd	285·9	+1·8	*286·1*	54	+15
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	York Factory	57 0	92 28	16·8	1010·6	1012·6	−0·9	..	..	..	276·7	272·4	8th	282·4	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1016·8	1017·9	+2·4	292·6	302·4	21st, 22nd	280·2	268·6	28th	286·4	+2·4	..	36	−46
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1013·2	1016·2	..	284·6	294·7	16th	275·8	270·2	26th	280·2	..	..	124	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	294·1	25th	..	274·7	27th	282·7	−1·1	..	41	−46
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1016·6	1018·2	+2·6	289·8	295·8	4th	285·0	278·6	21st	287·4	+0·7	287·5	133	+23
335	Aberdeen	57 10	2 6	26·8	1011·4	1014·7	+1·2	288·4	293·0	1st	281·2	277·4	6th	284·8	+0·1	284·9	34	−31
336	Greenwich	51 28	W o 0	48·5	1012·9	1018·8	+2·8	293·5	300·8	3rd	281·7	274·1	30th	287·6	0·0	287·0	19	−36
337	Uccle	50 48	E 4 22	100	1006·4	1018·5	+2·1	292·1	300·3	3rd	282·8	279·1	23rd	287·5	−0·4	287·1	75	+ 5
338	De Bilt	52 6	5 11	3·0	1017·2	1017·6	+1·8	292·7	300·4	9th	282·1	277·6	24th	287·4	−0·3	286·7	81	+22
338a	Hamburg	53 33	9 59	40	1010·6	1015·4	−0·7	290·8	299·3	10th	283·8	280·5	23rd	287·3	+0·1	*287·2*	103	+41
339	Copenhagen	55 41	12 36	5·0	1012·7	1013·3	−2·0	289·2	293·6	10th	284·1	279·3	30th	286·7	+0·8	*286·5*	41	−11
340	Potsdam	53 23	13 14	84·9	1005·8	1016·1	−0·7	292·3	301·6	9th	282·0	276·9	23rd	287·1	+0·3	286·3	71	+25
340a	Upsala	59 51	17 38	24·0	1006·5	1009·4	−3·0	289·5	297·0	11th	279·1	273·6	23rd	284·3	+0·6	284·1	45	− 4
341	Warsaw	52 13	21 2	120	..	1015·1	−1·8	..	298	..	..	275	..	..	−1·6	*285·1*	85	+36
342	Jurjev	58 23	26 43	74·5	1000·7	1009·8	−4·4	287·4	295·2	12th	278·5	273·0	6th	283·0	−0·7	282·9	82	+30
343	Petrograd	59 56	30 16	4·8	..	1008·7	−4·2	..	293	..	..	275	..	..	−0·1	*283·6*	47	− 6
344	Kiev	50 27	30 30	182·9	..	1015·6	−1·6	..	296	..	..	274	..	..	−2·2	*284·5*	45	0
344a	Moscow	55 46	37 40	156	..	1013·0	−5·0	..	292	..	..	274	..	..	−1·1	*282·8*	53	− 2
345	Saratov	51 32	46 3	59·9	..	1018·0	+1·7	..	300	..	..	275	..	..	−1·1	*286·0*	19	−10
346	Kazan	55 47	49 8	79·8	1004·4	1014·2	0·0	..	295	..	..	273	..	..	−1·5	282·5	46	+ 5
347	Orenburg	51 45	55 6	114·1	..	1018·4	+2·2	..	299	..	..	274	..	..	−1·2	*284·6*	20	− 9
348	Perm	58 1	56 16	163·0	..	1012·0	−1·4	..	292	..	..	273	..	..	−1·4	*280·7*	73	+14
349	Ekaterinburg	56 50	60 38	288·9	..	1014·4	−0·3	..	295	..	..	269	..	..	−0·1	*281·7*	55	+19
350	Tobolsk	58 12	68 14	108	..	1011·9	−2·6	..	293·0	19th	..	271·9	26th	..	0·0	*282·0*	..	..
351	Akmolinsk	51 12	71 23	? 347	..	1022·4	+4·6	..	297·7	24th	..	270·7	27th	..	−0·4	*283·8*	..	..
352	Omsk	54 58	73 23	90	..	1015·6	−0·7	..	294·5	25th	..	271·6	27th	..	−0·3	*283·3*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1016·9	−0·7	..	295·1	21st	..	272·7	18th	..	+0·9	*284·5*	..	..
354	Tomsk	56 30	84 58	121·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
357	Irkutsk	52 16	104 19	467	..	..	..	..	..	..	..	..	..	..	..	..	..	..
358	Kirensk	57 47	108 7	? 263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	? 359	970·8	1013·8	..	..	295·1	1st	272·9	264·3	29th	..	..	*280·5*	46	..
362	Blagoveshchensk	50 15	127 31	133·6	997·0	1013·0	+1·0	..	298·3	5th	280·7	271·8	29th	..	+0·2	*285·2*	51	−23
363	Paikanskii Sklad	50 11	130 7	? 145	994·7	1012·2	..	..	296·0	4th	276·4	268·3	28th	..	..	*283·1*	77	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·1	1011·6	+0·8	..	298·8	5th	279·5	268·7	26th	..	+0·7	*284·6*	77	+11
366	Okhotsk	59 21	143 17	6·0	1012·7	1013·4	+1·8	..	291·3	9th	277·4	272·3	29th	..	+0·3	*281·0*	57	+10
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	1004·4	1015·1	+7·1	..	288·4	17th	277·9	274·5	28th	281·1	−1·2	..	16	−95
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

SEPTEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1005·9	1017·5	+1·0	287·8	294·7	24th	282·2	279·6	1st	285·0	−0·8	284·6	50	− 1
412	Portland, Oregon	45 32	122 41	46·6	1010·2	1015·6	−0·9	292·6	301·9	23rd	283·8	280·2	6th	288·2	−1·1	*287·8*	79	+ 34
413	Macleod	49 44	113 24	954	..	..	..	292·4	303·0	4th	276·5	272·4	20th	284·5	−0·3	*284·3*	10	− 23
414	Helena	46 34	112 4	1253	872·7	1013·5	−1·6	293·4	303·6	3rd	279·7	274·7	12th	286·6	0·0	*286·3*	37	+ 5
414a	Salt Lake City	40 46	111 54	1329	867·7	1013·5	−0·3	297·7	304·7	19th	284·3	274·7	12th	291·0	0·0	*291·4*	4	− 19
415	Cheyenne	41 8	104 48	1856	815·3	1014·5	+0·5	295·6	301·9	19th	279·2	270·8	14th	287·4	+1·1	*288·1*	10	− 18
416	North Platte	41 8	100 45	859	918·6	1016·6	+1·5	299·4	305·2	18th	283·8	275·2	22nd	291·6	+1·4	291·7	4	− 33
416a	Bismarck	46 47	100 38	510·6	954·9	1014·9	−0·2	297·0	308·0	18th	281·2	273·6	29th	289·1	+1·4	*288·4*	28	− 5
417	Winnipeg	49 53	97 7	231·6	985·4	1013·5	−1·2	292·9	300·8	19th	280·9	272·9	7th	286·9	+2·0	*285·6*	58	+ 8
418	Duluth	46 47	92 6	345·1	976·7	1017·9	+2·5	290·6	301·3	20th	282·1	275·2	25th	286·3	+0·8	*286·6*	65	− 30
419	Port Arthur	48 27	89 12	196·3	993·9	1018·3	+2·4	290·2	299·7	20th, 21st	280·8	274·1	7th, 8th	285·5	+0·9	*285·4*	69	− 14
420	Chicago	41 53	87 37	250·9	990·5	1020·3	+2·9	295·6	304·1	20th	288·8	283·0	23rd	292·2	+0·8	*292·1*	40	− 37
421	Toronto	43 40	79 24	115·5	1006·8	1020·7	+2·8	294·8	303·4	22nd	283·4	275·6	28th	289·1	+1·0	288·0	39	− 42
422	New York (Central Park)	40 46	73 58	29·6	1015·9	1019·4	+0·5	297·8	308·0	22nd	286·9	278·6	28th, 29th	292·3	−0·3	292·1	7	− 83
423	St. John, N.B.	45 17	66 4	? 22	1014·2	1017·3	−0·2	290·2	298·0	16th	283·2	274·2	29th	286·7	+0·4	*286·4*	74	− 21
424	S. W. Point, Anticosti	49 24	63 35	9·1	1013·5	1014·5	+0·5	287·3	295·2	23rd	278·5	271·3	27th, 29th	282·9	+0·6	..	18	− 52
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·9	1016·8	−1·0	289·8	294·1	..	285·4	277·4	..	287·6	−0·7	..	40	− 46
426	St. Johns, Newfoundland	47 34	52 42	38·1	1004·7	1009·5	−4·7	288·7	300·8	23rd	280·9	274·1	29th	284·8	−0·2	..	91	− 1
435	Madrid	40 24	3 41	655·4	944·1	1018·3	+1·5	304·1	308·9	17th	285·1	281·6	22nd	294·6	+1·8	293·9	0	− 36
436	Nantes	47 15	W 1 34	41·4	1015·3	1020·3	+2·4	294·3	304·8	3rd, 4th	284·4	277·1	22nd, 23rd	289·3	+0·2	289·0	73	+ 26
437	Paris (Parc St. Maur)	48 49	E 2 29	59·3	1013·5	1019·6	+2·1	293·3	301·3	4th	283·0	277·0	26th	288·2	0·0	287·7	84	+ 31
438	Marseilles	43 18	5 23	75	1008·9	1017·8	+1·6	296·8	301·1	4th	286·0	279·1	23rd, 24th	291·4	−0·9	*291·0*	52	+ 28
438a	Zürich	47 23	8 33	493·2	962·3	1020·4	+1·6	292·6	301·1	4th	282·0	275·6	30th	287·3	−0·9	286·4	86	− 19
439	Rome	41 54	12 28	50·6	1010·5	1016·1	−0·6	298·0	301·4	6th	288·3	282·0	23rd	293·1	−0·9	*293·0*	9	− 62
440	Vienna	48 15	16 22	202·5	992·7	1017·4	−0·1	290·8	299·1	4th	283·5	278·4	26th	287·2	−1·0	287·0	78	+ 34
440a	Buda-Pesth	47 30	19 2	129	1001·4	1016·9	−0·6	293·4	302·2	11th	282·9	278·7	27th	288·1	−1·6	287·6	113	+ 62
441	Bucharest	44 25	26 6	82	1006·6	1016·3	−1·2	295·2	303·6	1st	282·5	276·4	30th	288·9	−1·8	288·5	57	+ 14
442																		
443	Odessa (University)	46 29	30 44	65	..	1015·8	−1·9	..	298	..	..	279	..	..	−2·9	*287·0*	145	+113
444	Kharkov (University)	50 0	36 14	140	..	1016·7	−1·6	..	294	..	..	272	..	..	−2·0	*284·3*	41	+ 9
444a	Novorossiisk	44 44	37 49	37	..	1015·8	−1·3	..	299	..	..	282	..	..	−1·6	*290·3*	79	+ 24
445	Tiflis	41 43	44 48	409	..	1016·3	−1·2	..	301	..	..	281	..	..	−1·3	*291·2*	110	+ 60
446	Astrakhan	46 21	48 2	−14	..	1018·7	+0·8	..	300	..	..	277	..	..	−1·5	*288·9*	13	− 1
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1015·2	−1·6	..	305	..	..	287	..	..	−0·8	*295·8*	..	..
449	Tachkent	41 20	69 18	478·3	..	1015·3	+0·8	..	308·2	5th	..	282·8	17th	..	+0·7	*292·8*	0	− 4
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1008·9	1014·1	+0·4	296·2	303·6	1st	285·1	278·4	26th	290·7	+0·3	289·8	318	+227
462	Joshin	40 40	129 11	4·0	1013·5	1014·0	+0·4	295·5	298·5	6th	288·1	282·6	23rd, 27th	291·8	+1·0	291·6	287	+167
463	Vladivostok	43 7	131 55	26·8	1011·4	1014·6	−0·3	..	299·4	6th	286·7	279·2	30th	..	+0·7	*290·3*	217	+117
464																		
465	Ochiai	47 20	142 44	6·6	1012·5	1013·3	+0·2	291·0	298·8	6th	280·9	272·8	28th	285·9	+0·9	285·9	58	− 56
466	Nemuro	43 20 N.	145 35 E.	26·7	1011·6	1014·8	+0·7	290·6	297·9	7th	285·0	278·9	29th	287·8	−0·3	287·9	174	+ 38

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·2	1014·9	+0·7	292·7	306·3	10th	285·3	283·6	6th	289·0	−0·1	*288·1*	0	− 10
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·6	+1·6	296·9	304·7	9th	283·3	279·1	7th	290·1	−0·7	*288·9*	0	− 7
513	Modena	37 48	113 54	1670	834·8	1013·2	+0·3	298·1	301·9	19th	279·7	272·4	22nd	288·9	+0·9	*289·3*	12	− 14
514	San Diego	32 43	117 10	26·5	1010·2	1013·2	+0·9	294·7	298·6	26th	289·1	285·2	15th	291·9	−1·0	*291·4*	0	− 2
515	Santa Fé	35 41	105 57	2138	791·5	1013·9	+0·8	296·6	300·8	18th	283·9	279·7	23rd	290·2	+0·9	*289·8*	15	− 24
516	Denver	39 45	105 0	1613	839·2	1014·5	+0·3	299·7	305·8	18th	282·7	274·7	14th	291·2	+1·5	*291·6*	5	− 21
517	Abilene	32 23	99 40	529·6	956·1	1016·2	+1·6	303·0	306·3	13th	290·9	281·3	30th	296·9	−0·5	*295·9*	23	− 45
518	Saint Louis	38 38	90 12	173·1	998·7	1018·9	+1·7	298·4	304·7	6th	289·4	284·1	25th	293·9	0·0	*294·1*	170	+ 89
519	Mobile	30 41	88 2	17·4	1015·0	1016·9	+1·1	302·2	308·6	9th	293·6	286·9	25th	297·9	−0·5	*297·3*	202	+ 66
520	Nashville	36 10	86 47	166·4	1000·7	1020·3	+2·5	300·3	305·2	1st	288·9	281·9	27th	294·6	−0·5	*294·4*	37	− 52
521	Charleston	32 47	79 56	14·6	1017·4	1018·9	+1·4	300·1	306·3	8th	293·0	286·9	26th	296·5	−1·1	*296·6*	119	− 10
522	Washington	38 54	77 3	34·1	1016·8	1020·6	+1·8	298·0	308·6	2nd	285·7	278·0	29th	291·9	−1·8	*291·3*	17.	− 69
523																		
524	Bermuda	32 18	64 46	46·0	1013·0	1018·4	+1·5	300·4	303·3	19th	293·5	289·2	22nd	296·9	−1·7	..	167	+ 42
531	Horta	38 32	28 38	28	1018·7	1021·6	+0·5	296·7	298·8	12th	292·4	289·3	7th	294·6	−0·3	*293·8*	54	− 41
532	Ponta Delgada	37 44	25 40	17	1020·2	1021·4	+0·4	296·4	298·3	30th	292·2	290·0	7th	294·3	+0·7	*293·7*	82	− 22
533	Madeira (Funchal)	32 37	16 54	25	1017·0	1019·9	+0·8	299·0	306·6	20th	292·8	291·0	2nd	295·9	+0·8	*295·8*	51	+ 22
535	Lisbon	38 43	9 9	95	1007·3	1018·5	+1·3	299·7	308·2	12th	291·2	289·1	10th	295·4	+2·0	*294·9*	4	− 33
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6 N.	5 21 W.	16·2	1016·2	1018·1	+2·1	299·6	305·2	19th	293·1	289·7	30th	296·3	+1·0	*296·0*	0	− 36
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

SEPTEMBER—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	978·4	1018·1	+1·7	298·3	308·7	17th	291·7	288·5	28th	295·0	+0·2	294·3	7	− 21
538	Palma	39 34	2 38	23	1016·7	1019·3	+1·7	300·5	304·6	13th	291·5	285·6	24th	296·0	−0·1	..	7	− 48
538a	Tunis	36 48	10 10	33	..	1017·9	+1·9	301·8	308·8	9th	291·8	285·6	26th	296·8	−0·5	*296·3	17	− 9
539	Malta	35 54	14 31	58·8	..	1018·4	+0·8	298·1	301·8	12th	292·7	289·7	25th	295·4	−1·6	..	34	+ 4
540	Riposto	37 41	15 14	14·2	..	1017·8	+1·1	298·6	300·7	13th, 14th	292·1	289·5	27th, 29th	295·3	−1·0	*295·4	47	− 13
541	Athens	37 58	23 43	107·1	1002·8	1015·4	+0·6	299·5	303·8	2nd	290·9	286·2	29th	295·2	−1·4	294·8	9	− 6
542	Alexandria	31 9	29 54	32·0	1010·6	1014·3	+0·3	302·6	309·9	26th	295·1	292·3	21st	298·9	−0·4	*297·6	0	− 0
543	Cairo (Helwan)	29 52	31 20	115·6	1000·2	1013·5	0·0	305·5	311·5	28th	293·2	290·2	18th	299·3	+0·1	*298·2	0	0
544	Nicosia	35 11	33 22	152	..	1011·9	+0·1	306·9	310·8	28th	289·8	286·3	30th	298·3	−0·3	..	0	− 5
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	1003·3	1007·9	+0·5	312·0	324·4	10th	294·1	288·0	14th	303·1	−1·0	..	0	0
546	Lenkoran	38 46	48 52	−19	..	1016·3	−0·3	..	299	..	..	285	..	..	−1·5	*293·0	167	− 15
547	Busrah	30 31	47 53	7·6	?1005·8	?1006·8	−0·3	?311·2	313·8	21st	?294·6	288·9	14th	?302·9	−1·0	..	0	− 3
548	Meshed	36 16	59 35	946	907·1	1011·7	..	303·2	307·9	4th	281·3	276·2	25th	292·3	+0·2	..	0	− 1
549	Quetta	30 11	67 3	1677	831·9	..	−0·3	304·7	308·6	9th	285·8	277·7	28th	295·3	+2·6	*295·1	1	− 1
550																		
551	Lahore	31 34	74 20	214·0	982·7	1004·7	+1·2	307·8	313·4	10th	297·3	293·2	25th, 29th	302·5	−0·4	*301·9	114	+ 51
551a	Simla	31 7	77 8	2205	782·0	..	+1·0	291·1	292·7	15th	286·7	284·2	30th	288·9	−0·4	*288·7	290	+145
552	Leh	34 10	77 42	3503	668·4	..	+0·5	294·6	301·0	9th	280·1	274·9	28th	287·3	+1·0	*286·1	9	+ 2
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	313	+ 73
559	Hang Kow	30 35	114 17	37·0	1009·7	1014·0	+0·6	300·7	310·5	18th	292·2	285·6	20th, 21st	296·5	−1·1	*295·9	28	− 28
560	Tiensin	39 10	117 10	5·0	1014·5	1015·1	+0·3	299·0	305·8	1st	290·0	284·4	26th	294·5	+0·4	*294·4	40	− 8
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1011·7	−0·6	301·1	307·1	4th	292·8	287·4	30th	296·9	+0·2	296·0	211	+ 97
562	Nagasaki	32 44	129 52	133·0	996·8	1012·2	+1·7	301·1	305·5	9th	293·6	289·5	27th	297·3	+0·4	296·9	77	− 15
562a	Kioto	35 1	135 44	42·9	1009·4	1014·4	+2·6	302·4	308·2	3rd	291·5	283·6	28th	296·9	+1·4	296·5	89	−129
563	Tokio	35 41	139 45	21·3	1012·6	1015·0	+2·7	299·5	304·7	3rd	292·3	284·8	28th	295·9	+0·7	295·5	355	−115
564	Miyako	39 38	141 59	30·4	1011·5	1015·0	+1·6	298·0	304·7	8th	288·1	282·7	24th, 25th	293·1	+0·9	292·2	67	−139
565																		
566		N.	E.															

SEPTEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·4	1014·7	−1·4	301·3	303·6	..	296·6	294·1	..	298·9	+0·4	..	55	+ 9
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·8	1016·9	+1·8	302·3	304·7	2nd	297·3	290·2	24th	299·8	+0·3	299·6	132	− 17
618	New Orleans	29 58	90 4	15·5	1014·6	1016·2	+1·1	302·6	307·4	10th	295·3	290·2	24th	298·9	−0·3	298·3	128	− 6
619	Havana	23 8	82 22	24·3	..	1015·2	+1·6	304·4	306·5	3rd	296·5	294·9	23rd	300·5	+0·6	300·2	103	− 45
620	Key West	24 33	81 48	6·7	1014·2	1014·9	+0·9	303·7	305·2	1st	297·8	294·7	22nd	300·7	−0·4	300·7	117	− 52
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·1	+3·2	303·8	304·7	9th, 12th	297·2	294·9	2nd, 14th	300·5	0·0	..	181	− 11
622																		
633	La Laguna	28 28	16 20	547	955·0	1017·4	−0·8	297·7	305·4	20th	288·4	281·8	27th	293·1	−0·6	..	4	− 8
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	296·0	301·0	5th	278·5	269·9	23rd	287·3	+0·8	..	0	− 1
637	Insalah	27 8	E 2 27	280	..	..	..	318·2	322·2	30th	296·8	293·0	20th	307·5	+1·4	307·6	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	310·5	315·5	26th	293·6	289·6	30th	302·1	+0·3	302·0	..	..
643	Tor	28 13	33 37	1·9	1008·8	1009·0	+0·5	304·4	308·0	29th	295·8	292·3	24th	300·1	+0·4	299·9	..	..
644	Aswan	24 2	32 53	99·6	999·2	1010·5	+0·6	312·0	315·5	2, 3, 26	295·9	293·7	15th, 21st	303·9	0·0	303·3	..	..
647	Bushire	28 59	50 53	4·3	1005·9	1006·5	+0·8	306·5	310·2	6th	298·7	295·4	15th	302·6	−0·7	..	0	0
648	Jask	25 44	57 47	4·0	1005·8	1006·3	+1·8	307·4	310·9	19th	301·5	296·9	30th	304·5	+0·9	..	0	0
649	Kurrachee	24 53	66 57	4·0	1006·5	1007·0	−0·3	304·6	311·3	17th	299·0	297·4	1st	301·8	+0·4	301·3	16	+ 5
650	Hyderabad, Sind	25 24	68 18	29·3	1002·1	1005·4	+0·1	309·5	314·1	8th	299·3	296·9	29th	304·4	+1·0	..	2	− 10
651	Jaipur	26 56	75 52	436·5	958·3	1004·0	−0·1	307·2	311·1	6th	296·7	294·2	29th, 30th	301·9	+0·2	301·2	59	− 28
652	Nagpur	21 8	79 5	310·2	972·5	1007·1	+0·1	304·5	307·5	30th	296·3	294·3	27th	300·4	0·0	299·7	322	+104
653	Allahabad	25 25	81 51	94·1	996·1	1006·7	+2·9	306·3	308·7	10th	298·1	296·1	27th, 30th	302·2	+0·1	301·5	93	− 44
654	Calcutta	22 36	88 23	6·4	..	1006·1	+1·6	304·6	306·4	30th	298·6	297·1	17th	301·6	+0·3	301·4	184	− 79
655	Gauhati	26 8	91 41	59·7	1002·4	1009·2	+1·8	304·5	307·4	13th	297·1	295·6	18, 19, 22	300·8	−0·5	..	183	− 6
655a	Cherrapunji	25 15	91 42	1314	868·2	..	+0·9	296·3	299·1	4, 8, 13	290·6	288·6	30th	293·4	−0·2	..	629	−264
656	Shillong	25 33	91 48	1500	849·7	..	+1·4	296·8	300·2	4th	288·7	285·2	30th	292·8	−0·3	..	193	− 72
656a	Akyab	20 11	92 56	6·1	1008·6	1009·2	+1·5	303·9	305·7	11, 12, 13	297·9	296·1	24th	300·9	+0·1	300·8	280	−271
657	Phu Lien	20 48	106 37	115·6	995·7	1008·9	+1·2	305·3	308·7	8th	297·1	295·4	23rd	301·2	+0·7	300·6	69	−223
658	Moncay	21 31	107 51	9	1007·6	1008·6	+1·2	306·9	312·0	8th	295·5	291·6	11th	301·2	+0·6	300·5	53	−248
659																		
660	Hong Kong	22 18	114 10	33·2	1003·7	1007·5	−0·8	302·7	306·4	1st	297·6	295·9	26th	300·1	0·0	299·9	507	+261
661	Taihoku, Formosa	25 2	121 31	9·3	1006·3	1007·3	−2·1	303·3	307·0	1st	295·6	291·5	16th	299·5	−0·3	298·9	579	+322
662	Naha	26 13	127 41	10·5	1006·6	1007·8	0·0	302·7	305·1	24th	296·5	292·0	16th	299·6	−0·5	299·2	86	− 91
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. SEPTEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	781·2	..	+1·3	294·6	296·8	1st	284·2	279·3	26th	289·4	+0·9	288·8	61	− 39
718a	Oaxaca	17 4	96 44	1563	847·3	..	..	301·0	303·6	23rd	287·4	284·4	25th	294·2	..	293·5	57	..
719	Belize	17 29	88 12	1·9	..	1011·6	+0·9	..	304·1	..	..	..	..	296·9	..	..	..	..
720	San Salvador	13 44	89 9	657	938·9	..	+0·9	..	304·4	..	..	..	..	293·4	..	..	273	+ 38
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·7	+0·7	303·9	304·6	10th	296·0	294·6	2nd	299·9	+0·6	299·3	402	+118
722	Port au Prince	18 34	72 22	37·4	1009·5	1013·8	+1·6	307·1	308·6	5, 7, 26	295·8	294·2	1st	301·5	+0·6	300·4	119	− 72
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·0	1013·7	+1·0	304·5	305·9	24th	299·0	298·5	15th	301·7	+0·8	..	34	− 82
724	Grenada (Richmond Hill)	12 5	61 46	155·1	993·8	1011·5	−0·3	303·1	304·7	19th, 22nd	297·2	295·2	12th	300·1	+0·3	299·5	168	− 112
725	Barbados	13 8	59 36	55·2	..	1013·9	+1·0	302·0	303·9	7th	297·8	294·9	4, 15, 25	299·9	+0·5	299·8	234	− 37
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·3	1013·5	+0·4	301·0	302·8	10th	296·9	294·2	2nd	298·9	−0·2	299·3	19	− 47
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·2	1014·1	+1·0	302·0	303·5	9th	297·9	297·0	27th	300·0	+0·1	300·0	136	+ 32
733	Bathurst	13 24	16 36	1·5	..	1012·7	+0·2	303·1	305·2	20th	294·1	290·2	1st, 6th	298·6	−1·0	..	235	+ 28
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·3	309·7	28th, 30th	..	..	..	..	..	..	188	− 21
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	294·9	292·0	6th	299·7	..	..	83	+ 1
736	Timbouctou	16 43	W 3 1	270	..	..	..	312·0	314·0	18th	296·7	289·8	9th	304·3	−1·4	303·3	..	..
737	Sókoto	13 2	E 5 14	354	..	..	..	306·7	311·3	28th	295·5	293·0	5th, 8th	301·1	+0·8	..	97	− 10
738	Kaduna Junction	10 50	7 25	640	..	..	..	301·6	304·1	15th, 16th	292·0	290·8	27th	296·8	−0·7	..	426	+166
739	Maiduguri	11 47	13 11	361	..	..	..	307·5	312·4	28th	294·9	293·0	7th, 8th	301·1	+0·1	..	84	− 29
740	Katagum	12 17	10 22	30·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
742	El Obeid	13 11	30 14	585	948·3	1013·0	+0·7	308·3	311·7	30th	293·3	290·8	20th	300·8	+0·3	300·0	93	+ 5
743	Khartoum	15 37	32 33	390	966·7	1009·7	+0·9	312·0	315·0	30th	298·1	293·9	1st	305·1	−0·2	304·1	11	− 6
744	Port Sudan	19 37	37 13	5·9	1006·5	1007·2	+0·6	310·7	315·5	1st	299·6	297·1	23rd	305·2	+0·4	304·6	0	0
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	310·8	314·1	11th, 12th	305·4	302·4	29th	308·1	+1·7	307·7	2	+ 1
746	Aden	12 45	45 3	28·7	1004·7	1007·7	−0·2	306·9	308·3	23rd	301·1	294·5	23rd	304·0	−0·2	303·6	31	+ 27
751	Bombay	18 54	72 49	11·3	..	1007·5	−0·5	302·8	304·4	27th	298·7	297·7	16th, 17th	300·7	+0·6	300·1	535	+260
752	Bangalore	12 59	77 38	920	909·9	1006·4	+0·5	301·9	304·3	19th	292·3	289·9	22nd	297·1	+0·9	296·1	109	− 63
752a	Kodaikanal	10 14	77 28	2343	771·0	..	+0·4	291·5	293·8	19th	284·4	283·2	14th	287·9	+0·5	287·9	345	+171
753	Trincomalee	8 34	81 14	30·2	1004·9	1008·3	+1·5	307·2	309·0	16th	297·4	295·1	10th	302·3	+0·2	301·4	174	+ 50
754	Madras	13 4	80 14	6·7	..	1007·4	+0·9	306·2	309·7	3rd	297·7	295·2	22nd	301·9	−0·6	301·4	174	+ 50
754	Waltair	17 45	83 16	68·9	999·8	1007·5	+1·5	303·1	306·1	1st	297·9	295·4	18th	300·5	−0·9	299·9	470	+288
755	Port Blair	11 40	92 40	17·7	1008·5	1010·5	+1·0	303·1	304·9	27th	297·7	295·7	11th	300·4	+0·3	299·8	311	+160
756	Rangoon	16 46	95 48	5·5	1009·4	1010·0	+1·1	303·8	305·7	20th	297·4	295·5	15th	300·6	+0·4	299·7	196	−201
757	Saigon	10 46	106 42	11·2	1007·4	1008·6	+0·7	304·6	305·9	19th	296·8	295·4	14th, 22nd	300·7	+0·1	..	247	−109
758	Nhatrang	12 16	109 12	3·7	1007·2	1007·7	+1·0	304·8	307·9	3rd	296·7	295·4	14th, 26th	300·7	−0·5	..	208	+ 29
759	Bolinao	16 24	119 53	9·7	..	1006·4	−0·4	303·7	306·5	25th	296·7	295·6	23rd	300·2	−0·2	299·6	567	+ 15
760	Vigan	17 34	120 23	14·7	..	1006·3	−0·6	303·3	305·5	20th, 22nd	296·8	295·7	10th, 30th	300·1	−0·4	299·5	655	+136
761	Manila	14 34	120 59	14·2	..	1007·4	−0·1	303·6	307·1	25th	296·6	295·2	21st	300·1	−0·6	299·2	888	+518
762	Ormoc	11 0	124 36	5·6	..	1008·2	+0·2	304·4	306·0	19th	297·1	294·4	21st	300·7	+1·1	300·7	88	−184
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·3	303·8	24, 25, 28	296·6	?295·2	? 1st	299·5	−0·5	..	507	+105
		N	E.															

SEPTEMBER—ZONE 8. Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	307·5	310·9	6th	298·4	296·9	8th	303·0	+1·8	301·6	185	+108
819	Culebra	9 10	79 40	123·1	..	..	..	..	..	..	..	..	..	..	..	..	282	+ 9
819a	Colon	9 23	79 23	3·0	..	1010·2	−0·1	301·3	304·1	21st	297·4	295·2	26th	299·3	−0·2	..	376	+ 54
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	293·2	−0·3	..	43	− 40
822	Caracas	10 31	66 56	1025	899·3	..	+0·3	..	..	..	..	..	..	..	..	..	43	− 50
823	El Peru, Guayanavieja	7 30	62 0	? 300	985·8	..	..	303·9	305·1	28th	294·8	293·8	13th	299·4	..	..	30	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·5	+1·9	303·5	304·1	sev. dates	297·2	295·8	7th	300·3	−0·1	300·1	132	+ 52
826	Paramaribo	5 49	55 9	4	..	1013·7	+0·8	..	..	..	..	..	..	..	−0·3	300·0	85	+ 16
826a	Cayenne	4 56	52 21	6	..	..	..	305·5	307·0	27th, 29th	296·1	294·6	6th, 8th	300·8	−0·3	300·9	56	+ 25
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·6	1013·5	+0·9	302·1	304·9	23rd	295·9	294·6	20th	299·0	−0·2	..	469	−258
835	Cape Coast Castle	5 5	1 13	..	..	..	..	301·0	302·4	9th	292·7	290·8	10th	296·8	−1·2	..	3	− 24
836	Accra	5 35	W 0 6	18	..	..	..	301·1	305·2	11th	294·8	292·4	29th	297·9	+0·1	..	0	− 23
837	Lagos	6 27	E 3 24	1·8	..	1013·7	+0·9	302·6	304·7	..	295·8	294·1	..	299·2	+0·6	..	9	−121
838	Zungeru	9 49	6 10	185·3	..	1013·4	+0·3	303·7	306·3	27th	295·5	293·6	1st	299·6	+0·7	..	239	− 23
838a	Libreville	0 23	9 26	35	..	..	..	302·8	304·4	14th, 15th	294·9	294·0	2nd, 4th	298·9	+0·5	..	112	+ 7
839	Yola	9 12	12 30	259	..	..	..	303·9	305·8	sev. dates	294·8	293·0	1, 7, 12	299·3	+0·3	..	110	− 76
841	Wau	7 42	28 3	440	961·5	1010·3	−0·8	309·8	312·0	sev. dates	293·0	292·0	sev. dates	301·4	+1·6	299·9	312	+154
842	Malakal (Kodok)	9 53	32 8	387·5	967·7	1011·0	+1·3	305·2	308·2	30th	293·7	291·1	15th, 19th	299·4	−0·5	297·8	157	+ 33
843	Entebbe	0 5	32 29	1171	884·5	..	+0·1	299·1	301·3	6th	290·2	289·1	1st	294·7	+0·3	293·6	116	+ 36
844	Mongalla	5 11	31 47	439·0	959·4	1008·1	−0·8	304·4	307·2	3rd	293·9	292·1	22nd	299·2	−1·0	297·3	149	+ 27
845	Harrar	9 42	42 30	1856	..	..	..	294·3	297·0	3rd	287·2	286·0	3rd	290·7	−1·7	..	78	− 17
851	Cochin	10 0	76 21	2·7	1011·1	1011·4	−0·1	303·2	304·8	29th	297·1	296·2	7th	300·2	+0·7	299·6	214	− 7
852	Colombo Observatory	6 54	79 53	7·3	1009·2	1010·0	+0·4	303·8	304·9	29th	297·3	295·7	28th	300·6	+0·2	300·0	105	− 21
852a	Newera Elija	6 59	80 47	1886	..	..	..	293·6	295·9	17th	284·2	281·1	26th	288·9	+0·8	..	247	+ 37
853	Trincomalee	8 34	81 14	30·2	1004·9	1008·3	+1·5	307·2	309·0	16th	297·4	295·1	10th	302·3	+0·2	..	152	+ 35
855	Medan	3 35	98 41	23·5	..	1010·5	−0·3	303·5	305·4	14th	294·9	293·4	22nd	299·2	..	298·3	191	− 31
856	Kota Radja	5 32	95 20	7·1	..	..	..	..	..	..	..	..	..	..	..	..	238	+ 71
857	Penang	5 34	100 20	6·3	1009·4	1010·1	+0·2	304·0	305·8	22nd	295·8	294·7	19th	299·9	−0·4	..	484	+114
858	Singapore	1 17	103 51	3·0	1010·3	1010·6	+1·0	304·6	305·8	4th, 27th	297·4	295·7	24th	301·0	+0·7	..	65	−104
860	Sandakan	5 49	118 12	..	..	..	..	306·1	309·1	11th	297·3	295·8	15th	301·7	+1·3	..	221	− 25
861	Tagbilaran	9 38	123 51	26·2	..	1008·3	+0·3	305·4	307·5	11th	297·8	295·5	30th	301·6	+0·7	301·0	84	− 92
861a	Menado	1 30	124 50	3·5	..	1008·9	+0·3	305·8	308·2	5th	295·9	292·4	26th	300·9	..	300·8	0	− 83
862	Surigao	9 48	125 29	6	..	1007·8	−0·2	306·3	308·6	8th	298·1	295·3	19th	302·2	+1·1	301·5	79	− 70
863	Yap	9 29	138 8	31·9	..	..	..	304·8	306·9	14th	297·6	295·2	28th	301·2	..	..	206	−139
		N ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·9	1010·9	−0·4	..	..	..	..	..	..	..	+0·7	*301·9*	54	+ 34
906																		
923	Manaos	3 8	59 59	44·9	1003·7	1008·8	+0·9	..	310·2	..	..	296·8	..	301·8	+0·3	..	29	− 21
925	Turyassu	1 25	45 15	15·1	1010·8	1012·5	..	..	307·4	..	..	294·9	..	300·1	..	..	6	..
929	Quixeramobim	5 16	39 15	207·0	990·7	1014·2	+0·9	..	307·3	..	..	295·6	..	301·0	+0·1	*300·9*	0	− 1
930	Fernando Noronha	3 50	W32 20	93·0	1002·8	1013·6	+1·6	..	300·6	..	..	294·6	..	297·7	−0·2	..	13	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	?1350	..	..	..	299·3	302·4	11th	?288·8	?285·7	24th	?294·1	+0·2	*292·8*	166	+ 13
943*a*	Masaka	0 21	31 47	?1280	..	..	..	297·8	301·3	6th	288·2	286·9	10, 11, 12	292·3	..	*290·9*	42	..
944	Nairobi	1 18	36 59	1661	..	..	..	296·6	299·9	21st	284·3	279·1	27th	290·4	+0·2	..	5	− 25
944*a*	Zanzibar	6 10	39 11	21·9	1015·7	1018·1	−0·2	302·0	303·7	23rd	296·7	295·4	2nd	299·3	+0·8	*298·1*	26	− 27
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·9	302·4	3rd	296·9	295·2	15th	299·4	..	..	19	− 16
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·3	−0·4	300·9	302·4	21st	298·1	296·9	1st	299·5	+0·6	..	278	+138
957	Padang	0 56	100 22	6·7	..	1011·1	−0·2	303·4	305·0	29th	295·8	295·0	4th	299·6	..	299·1	509	+ 94
958	Batavia	6 11	106 50	8	1010·5	1011·4	+0·7	304·9	308·3	28th	295·2	294·0	27th	300·1	+0·4	299·8	0	− 74
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+0·4	305·3	307·6	3rd	296·3	294·1	26th	300·8	..	299·9	42	− 162
959	Passeroean	7 38	112 55	5·0	..	1011·8	+0·6	303·2	305·0	26th	291·6	289·5	5th	297·4	−1·5	298·1	0	− 8
960	Kajoemas	7 56	114 9	950	..	..	..	298·8	301·3	26th	289·0	287·6	7th	293·9	..	293·0	0	− 14
962	Ambon	3 42	128 10	4·2	..	1012·4	+1·4	301·1	302·5	19th	294·8	292·7	24th	297·9	−0·3	297·6	11	− 208
963	Manokwari	1 10	134 20	19·0	..	1009·7	..	303·5	305·0	8th	296·1	294·8	28th	299·8	..	299·2	18	− 97
965	Daru	9 4	143 13	7·6	..	1010·6	−1·9	301·6	..	..	295·1	..	..	298·3	−0·4	..	18	− 27
966	Port Moresby	9 29	147 9	39·0	..	1014·5	+2·5	300·5	..	..	294·8	..	..	297·7	−1·2	..	1	− 32
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1011·3	+1·3	..	..	..	..	..	..	..	..	..	161	− 154
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·5	1010·8	+0·6	302·9	304·7	1, 19, 28	297·2	295·8	9th, 14th	300·1	0·0	..	107	− 84
970	Ocean Island	0 52	169 35	25·6	1005·1	1008·1	−0·5	303·9	305·9	10th	297·2	294·9	7th	300·6	−0·3	*299·9*	151	+ 52
		S.	E.															

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1011·4	−0·5	..	304·2	..	..	294·4	..	..	+0·8	299·1	195	+ 49
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	291·7	295·0	5th	287·8	286·4	12th, 13th	289·7	+0·1	*289·6*	0	0
1022	Arequipa	16 22	71 33	2451	761·5	..	+0·1	293·5	295·7	21st	281·6	277·8	28th	287·6	+0·1	*287·0*	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	728·3	..	..	297	..	..	280	..	..	288·5	0	..	26	+ 6
1026	Cuyaba	15 35	56 0	235	992·0	1018·8	+0·6	..	309·1	23rd	..	291·7	..	300·9	+0·3	..	60	+ 10
1027	Bello Horizonte	19 55	43 56	857	920·2	1016·2	..	301·3	306·0	25th	285·8	283·6	16th	293·5	..	..	3	..
1028	Cætite	14 2	42 37	900	915·0	1014·8	−1·5	..	306·5	..	..	286·1	..	295·8	+0·3	*295·5*	0	− 22
1029	Ondina	13 12	38 30	46·6	1011·6	1017·0	..	..	302·1	..	..	292·1	..	296·8	..	..	60	..
1030	Aracaju	10 55	37 4	4·3	1016·3	1016·8	+0·7	..	303·4	..	..	293·0	..	298·8	+0·3	..	12	− 19
1035	St. Helena	15 57	W 5 40	632	948·7	1021·2	+0·3	291·0	294·2	23rd	284·8	284·0	1st	287·9	+0·6	*287·6*	94	+ 21
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	859·4	..	−1·3	302·8	306·9	15th	..	..	..	..	..	..	0	− 3
1043	Salisbury, Rhodesia	17 48	31 5	1472	859·8	..	+0·3	303·2	306·9	15th	283·9	281·6	17th	293·6	+1·8	..	1	− 11
1044	Zomba	15 23	35 18	899	..	1012·8	−1·0	302·4	303·6	sev. dates	286·4	284·7	1st	294·4	0·0	*292·4*	0	− 9
1045	Sainte-Marie	17 0	49 51	15	..	..	..	298·7	300·1	27th	293·1	290·8	2nd	295·9	..	..	98	..
1046	Tananarivo	18 55	47 32	1400	869·1	..	+1·7	297·2	301·9	29th	282·9	279·8	5th	290·1	+0·6	*289·3*	1	− 17
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1014·7	+1·0	301·8	303·1	30th	297·1	295·2	2nd, 10th	299·5	+0·3	..	26	− 95
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1011·1	1011·7	+1·1	303·3	305·3	..	295·9	294·1	..	299·6	−0·1	..	5	− 85
1058																		
1061	Koepang	10 10	123 34	3·3	..	1013·4	+1·5	304·0	306·8	13th	292·3	289·8	20th	298·1	..	298·0	0	− 3
1061*a*	Derby	17 18	123 40	16·2	..	1015·0	+2·0	306·8	310·8	19th	292·9	289·2	25th	299·9	+0·5	..	0	0
1062	Hall's Creek	18 13	127 46	373·6	..	1015·4	+2·1	306·4	308·1	1st, 9th	287·1	283·0	29th, 30th	296·7	−0·9	..	0	− 5
1063	Port Darwin	12 28	130 51	29·6	..	1013·4	+2·0	305·4	307·8	29th	295·7	294·1	14th	300·5	−0·7	299·8	0	− 15
1064	Daly Waters	16 16	133 23	210·6	..	1013·2	+1·4	307·8	309·7	20th	291·1	287·7	5th	299·4	−0·2	*298·9*	0	− 0
1065	Mein	13 13	142 47	121·9	..	1013·4	+1·7	303·7	308·4	25th	290·1	286·3	2nd	296·9	−1·7	..	2	− 8
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1016·0	+1·9	304·1	306·4	19th	288·0	281·6	25th	296·1	−1·2	..	0	− 23
1067	Samarai	10 37	150 40	..	..	1010·3	−1·5	..	..	..	294·6	..	..	298·0	−0·6	..	69	− 191
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1015·4	1015·9	+0·3	297·8	301·3	26th	293·3	289·2	5th	295·6	−1·0	..	368	+ 191
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

SEPTEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1015·2	1015·9	+1·1	297·3	301·3	29th	291·1	286·9	18th	294·2	−0·7	..	34	− 77
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·8	1016·2	−1·2	288·7	291·0	24th, 29th	279·6	277·0	5th	284·1	+0·4	*286·0*	25	+ 22
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1009·3	1017·0	−1·9	295·8	308·5	23rd	284·8	278·2	8th	290·3	−1·3	*290·1*	67	+ 5
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	914·0	1016·8	−1·9	..	303·4	..	..	278·4	..	..	+1·4	..	173	+ 54
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·8	1013·0	−6·0	..	306·0	..	..	289·9	..	..	+1·9	295·8	38	− 29
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	297·7	302·1	28th	284·2	277·5	21st	290·9	+2·7	..	3	− 21
1142	Kimberley	28 42	24 47	1202	884·0	..	−0·7	300·5	306·9	29th	282·4	275·1	5th	291·4	+2·0	291·2	24	+ 4
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	1018·4	−0·4	301·7	310·0	14th	290·2	287·9	24th	295·9	+1·3	295·2	4	− 25
1144	Lorenzo Marques	25 58	32 36	59	1013·8	1020·2	0·0	298·4	299·8	21st	290·7	288·2	16th, 28th	294·6	+0·4	294·3	27	− 6
1147	Mauritius	20 6	57 33	54·3														
1159	Onslow	21 43	114 57	4·3	..	1015·8	+1·3	305·6	310·9	18th, 19th	288·7	285·2	11th	297·1	+2·6	..	0	− 1
1160	Peak Hill	25 38	118 47	588	..	1016·6	+2·0	302·0	305·3	19th	287·8	281·3	22nd	294·9	+3·1	..	5	− 1
1161	Nullagine	21 53	120 5	386	..	1016·7	+2·6	304·9	307·6	21st	288·4	282·3	17th	296·7	+1·8	..	0	0
1162	Laverton	28 40	122 23	466	..	1021·7	+5·1	298·7	304·9	20th	284·6	278·0	1st, 10th	291·6	+1·8	..	0	− 8
1163	Alice Springs	23 38	133 37	587	..	1019·6	+4·6	297·9	304·1	22nd	280·6	276·1	28th	289·3	−2·3	289·9	0	− 10
1164	William Creek	28 55	136 21	76·2	..	1022·2	+5·3	297·8	305·5	22nd	282·0	277·7	3rd	289·9	−0·1	*289·9*	2	− 9
1165	Boulia	22 55	139 38	146	..	1017·5	+3·3	303·6	306·3	1st	287·5	283·6	28th	295·6	+1·3	..	0	− 9
1166	Mitchell	26 32	147 52	336	..	1018·5	+2·4	298·4	303·7	23rd	280·6	275·8	21st, 22nd	289·5	+0·1	..	4	− 30
1167	Rockhampton	23 24	150 30	11·3	..	1019·6	+2·6	300·6	306·9	24th	288·0	285·3	26th	294·3	+0·1	..	14	− 20
1168	Brisbane	27 28	153 2	41·7	..	1020·7	+3·8	297·8	306·0	24th	285·7	282·9	10th	291·7	+0·2	..	21	− 31
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	292·0	296·1	23rd	287·8	285·1	28th	289·9	−0·2	..	148	+ 32
		S.	E.															

Between Latitude 30° S. and 40° S.

SEPTEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	288·3	291·9	11th	282·6	278·7	4th	285·5	−0·3	*285·7*	78	+ 8
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1012·6	1017·4	−0·8	289·8	298·5	12th	281·8	278·3	6th	285·8	−0·7	*285·5*	175	+ 144
1222	Santiago	33 27	70 42	520	956·2	1017·4	−0·4	289·6	298·2	12th	279·1	274·0	6th	284·3	−0·5	*283·8*	102	+ 72
1222*a*	Concepcion	36 50	73 3	15	1015·8	1017·6	..	287·9	290·8	12th	279·4	273·3	8th	283·7	..	*284·1*	205	..
1223	Cordoba	31 25	64 12	439	964·4	1015·9	−3·0	294·6	308·9	30th	279·4	273·3	18th	287·0	−1·0	286·7	11	− 13
1224	Bahia Blanca	38 45	62 15	20	1011·8	1014·2	−2·0	289·3	296·0	..	280·3	273·0	..	284·8	−0·8	..	32	− 8
1225	Buenos Ayres	34 16	58 22	25·2	1012·8	1015·8	−2·8	289·8	301·0	15th	280·7	273·9	19th	285·3	−0·7	*285·7*	122	+ 46
1225*a*	Rio Grande	32 2	52 9	2	1012·9	1013·1	−2·0	290·3	296·4	16th	285·9	280·0	19th	288·1	−0·6	288·2	268	+ 159
1226	Montevideo	34 55	W56 13	24·9	..	1015·0	−2·1	..	299·0	15th	..	280·3	20th, 29th	..	+0·2	285·8	224	+ 148
1239	Cape Town	33 56	E18 29	12	..	..	..	290·7	297·8	16th	283·9	278·1	17th	287·3	−0·1	*286·0*	77	+ 20
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	154‡	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1022·2	+4·3	294·9	303·2	30th	283·4	278·1	22nd	289·1	+1·6	..	16	− 69
1260	Katanning	33 42	117 35	310	..	1021·9	+5·1	294·0	303·0	30th	280·2	275·1	8th	287·1	+2·1	..	10	− 40
1261	Coolgardie	30 57	121 10	423	..	1022·0	+5·2	297·1	305·9	20th	282·0	275·9	22nd	289·6	+1·8	..	0	− 15
1262	Eucla	31 45	128 58	4·6	..	1023·2	+6·5	292·6	305·5	21st	283·2	279·7	2nd	287·9	−0·2	..	13	− 6
1263	Streaky Bay	32 48	134 13	13·1	..	1024·5	+6·9	294·2	301·0	7th	280·9	275·9	2nd	287·6	+0·3	..	20	− 15
1264	Adelaide	34 56	138 35	42·7	..	1025·0	+7·5	293·8	302·2	7th	280·9	275·5	20th	287·3	+0·4	*287·1*	15	− 35
1265	Melbourne	37 49	144 58	35·1	..	1024·3	+8·5	289·6	299·8	6th	279·9	274·6	14th	284·8	−0·5	284·6	28	− 33
1266	Bourke	30 13	145 58	110	..	1022·3	+5·2	297·9	302·8	23rd	282·4	277·7	26th	290·1	0·0	..	1	− 19
1267	Sydney	33 51	151 13	44·5	..	1022·8	+6·7	292·4	299·0	23rd	284·5	280·3	2nd	288·4	+0·4	..	133	+ 59
1268	Lord Howe Island	31 20	159 0	4·6	..	1022·1	..	293·2	295·6	20th	287·6	284·1	6th	290·4	..	..	141	+ 7
1271	Auckland	36 50	174 50	38·1	..	..	..	288·0	293·3	26th	281·7	276·9	10th	284·8	−0·9	..	36	− 56
1272	Napier	39 32	176 53	21·3	..	1020·9	+6·8	289·9	296·1	25th	279·3	274·7	28th	284·6	−0·6	..	8	− 33
		S.	E.															

Between Latitude 40° S. and 50° S.

SEPTEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	103·6	..	1018·8	..	284·3	288·0	27th	278·6	275·8	three times	281·4	−0·5	..	67	0
1302																		
1321	Isla Huafo	43 34	74 45	140	995·4	1012·5	−4·9	282·9	285·2	17th	278·9	276·1	6th	280·9	+0·1	*281·0*	78	+ 5
1322	Punta Galera	40 1	73 44	40	1010·7	1015·6	−2·6	284·9	287·2	30th	279·9	276·6	7th	282·4	0·0	*282·8*	308	+ 131
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1019·3	+8·6	288·5	297·9	8th	278·9	273·6	20th	283·7	+0·3	*282·8*	25	− 29
1366	Launceston	41 27	147 10	10·1	..	1021·0	+9·4	289·4	294·3	28th	277·6	271·8	13th	283·5	+0·3	..	16	− 59
1370	Invercargill	46 25	168 21	5·5	..	..	..	286·7	293·0	24th	276·1	271·9	27th	281·4	−0·4	..	103	+ 3
1371	Dunedin	45 52	170 31	91	..	1016·1	+4·8	287·6	296·3	9th	277·9	273·0	26th	282·8	+1·0	..	43	− 30
1371*a*	Christchurch	43 32	172 38	7·6	..	1017·3	+4·7	288·0	292·2	14th	276·1	270·9	28th	282·1	−0·3	..	17	− 29
1372	Wellington	41 16	174 46	2·4	..	1020·5	+7·7	287·9	293·6	25th	280·6	274·1	19th	284·2	+0·4	..	39	− 60
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

SEPTEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·0	1003·8	−0·1	282·2	282·8	22nd, 30th	275·8	273·6	3rd, 6th	279·0	+0·1	*278·1*	185	− 38
1422	Puerto de Punta Arenas	53 10	70 54	4	1004·0	1004·5	+0·4	280·2	284·0	1st	273·4	267·9	14th	276·8	−0·9	*276·7*	33	− 11
1423	Punta Dungeness	52 24	68 26	5	1004·0	1004·6	+0·8	280·3	283·5	25th	275·3	273·1	13th	277·8	−0·6	*277·0*	12	− 1
1424	Santa Cruz	50 11	68 21	12														
1424*a*	Año Nuevo	54 39	64 9	50	997·5	1003·7	..	277·3	280·0	9th	273·8	271·0	12th	275·5	..	275·6	26	..
1425	Cape Pembroke	51 41	57 42	21	1004·2	1005·9	+0·1	278·2	281·3	9th	273·1	270·2	16th	275·7	−1·0	276·1	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	1000·2	−1·6	276·5	280·7	10th	270·1	263·9	26th	273·3	−0·2	*272·9*	35	− 47
1467	Macquarie Island	54 30 S.	158 57 W.	9·1	..	995·9	+0·4	277·3	..	..	273·7	..	..	275·5	..	..	115	..

SEPTEMBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527 1528	South Orkneys	60 44 S.	44 39 W.	6·7	994·4	995·3	+2·6	270·7	277·8	1st	261·3	251·0	25th	266·0	+0·1	267·0	18	− 11
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	St. Helena. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	Fanning Island. 21 h.	Sierra Leone. 834. Direction and Force. 9 h.	Sierra Leone. 17 h.	Malden Island. 905. Direction. 9 h.	Tulagi 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	Ocean Island. 21 h.	Suva, Fiji 1072. Direction and Force. 9 h.
					m/s.									
1	150	150	150	150	7·4	SE 4	E 2	Calm 0	W 2	SE	Calm 0	W 3	W 2	SW 3
2	150	150	150	135	6·9	SE 3	SE 3	N 1	Calm 0	SE	SE 2	NNW 3	Calm 0	NE 2
3	150	150	135	135	11·5	E 2	E 4	S 1	SW 1	E	E 6	W 3	W 1	NE 1
4	135	150	150	150	11·2	SE 4	SE 3	NNE 1	SW 1	E	SE 5	W 1	Calm 0	SE 3
5	150	135	150	135	11·7	SE 3	E 2	SW 1	SW 1	E	E 2	N 1	Calm 0	SE 3
6	135	150	150	150	8·6	SE 3	Calm 0	SW 1	SW 1	E	SE 9	NW 1	NE 1	SE 4
7	150	150	150	135	11·0	NW 2	Calm 0	Calm 0	SW 1	E	SE 7	N 1	Calm 0	E 4
8	135	150	135	150	10·2	SE 4	E 2	S 1	SW 1	E	SE 4	NE 1	Calm 0	E 2
9	150	150	135	150	9·2	SE 4	SE 4	Calm 0	SW 1	E	SE 4	W 1	W 1	E 2
10	150	150	150	150	9·2	SE 4	E 4	S 1	SW 1	SE	SE 5	W 2	Calm 0	SE 2
11	150	135	150	150	9·0	E 2	E 3	N 1	W 1	NE	SE 4	W 1	Calm 0	NE 3
12	150	150	150	150	9·5	SE 4	E 2	N 1	Calm 0	NE	SE 4	N 2	Calm 0	NE 3
13	150	150	150	150	10·3	SE 4	NW 2	S 2	SW 1	E	SE 4	NW 2	Calm 0	E 4
14	150	150	150	150	11·6	NE 2	NE 2	Calm 0	Calm 0	E	SE 2	N 1	N 2	NE 5
15	150	150	135	150	10·7	ENE 2	NE 2	N 1	Calm 0	E	Calm 0	W 3	W 3	SE 3
16	135	150	150	150	9·8	E 2	E 2	Calm 0	SW 1	NE	Calm 0	W 1	W 1	NE 4
17	120	150	135	150	9·2	SE 2	SE 3	S 1	SW 1	E	SE 2	W 1	W 1	NE 4
18	150	150	150	150	7·8	E 2	E 2	N 1	SW 1	E	SE 4	N 1	Calm 0	NE 3
19	150	150	160	150	9·3	SE 4	SE 4	Calm 0	W 1	E	SE 2	W 2	W 3	E 3
20	150	150	135	135	8·3	ESE 2	E 2	Calm 0	SW 1	E	SE 3	W 3	W 1	E 3
21	120	135	120	135	5·7	NE 4	Calm 0	N 1	SW 1	E	..	WSW 4	W 2	SE 4
22	135	135	135	150	4·1	E 2	E 2	NE 1	Calm 0	NE	SE 3	W 3	W 2	NE 5
23	150	150	150	150	1·8	NE 2	SE 2	NE 1	SSW 2	SE	SE 4	W 4	W 3	NE 4
24	150	150	150	150	2·7	S 2	S 2	NNE 1	SW 1	SE	SE 4	WSW 3	SW 3	Calm 0
25	150	150	160	150	12·9	E 3	NE 3	Calm 0	Calm 0	NE	Calm 0	W 2	WSW 3	Calm 0
26	135	120	135	150	9·2	SE 2	E 2	W 1	Calm 0	E	Calm 0	W 3	SW 2	NE 3
27	150	150	135	150	9·1	Calm 0	Calm 0	Calm 0	SW 1	NE	Calm 0	S 1	S 1	N 3
28	150	150	150	160	8·3	S 2	SE 2	S 1	W 1	NE	Calm 0	W 1	Calm 0	NW 2
29	160	150	150	150	9·5	E 3	E 2	E 1	Calm 0	NE	SE 2	S 2	S 1	Calm 0
30	135	135	135	135	10·4	ESE 2	E 2	Calm 0	SW 1	NE	SE 5	W 1	Calm 0	SE 3
														Calm 0
Mean	145	147	145	147	8·9	2·7	2·2	0·7	0·8	..	3·0	2·0	1·1	2·8
Resultant†	146°			..	110° (70)		235° (32)		80° (86)	130° (78)	270° (50)		85° (53)	
Normal†	143°			8·9	127° (77)		260° (33)		89° (88)	133° (81)	102° (48)		102° (59)	

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation, see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1914.

**Kara Sea.*—"The route from Kara Strait to White Island was free from ice."
**Iceland.*—"The coasts were free."
North Atlantic and Labrador.—"Icebergs were present on the banks, in Belle Isle Strait and outside to about 150 miles east of Belle Isle. The eastern limit was 45⅔° W., the southern one 43° N."
**Davis Strait.*—"Scattered ice and icebergs off Cape Farewell. The west coast of Greenland open, but icebergs numerous."
**Bering Sea.*—"No ice in Beaufort Sea along the shores of Banks Land, but the sea froze over in the course of the month."

* *Isforholdene i de arktiske Have, 1914 and 1915*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

OCTOBER—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	997·2	999·6	− 9·2	..	..	..	267·2	259·2	31st	..	−0·3	*268·7*	49	+ 23
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1005·1	1006·6	− 3·5	..	277·2	30th	265·0	259·8	7th	..	..	268·6	45	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1011·5	1012·3	+ 5·5	..	284·4	10th	274·8	270·7	9th	..	+1·8	*276·8*	120	+ 42
142	Mehavn	71 1	27 47	6·4	1011·0	1011·8	+ 3·6	..	281·7	16th	274·4	270·4	19th	..	+1·8	*276·2*	68	− 13
143	Vardö	70 22	31 8	10·0	1010·8	1012·0	+ 4·8	..	281·0	22nd	273·6	270·9	19th	..	+1·3	*275·8*	110	+ 44
144																		
147	Malye Karmakouly	72 23 N.	52 43 E.	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148																		

OCTOBER—ZONE 2.

Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1000·5	1001·3	− 3·0	276·6	280·2	..	271·8	264·1	..	274·2	+2·4	..	33	− 4
204	Candle	65 55	161 57	? 2·4	..	..	..	274·6	279·1	1st	267·3	258·6	9th	270·9	..	..	5	..
205	Tanana	65 12	152 0	? 74	994·2	?1003·5	..	274·1	279·7	..	268·0	262·4	..	271·1	+3·4	..	6	− 18
206	Rampart	65 30	150 15	? 122	..	..	..	274·1	285·8	1st	266·8	259·7	24th	270·5	..	..	1	− 24
207	Valdez	61 6	146 13	3·1	998·9	999·3	− 5·7	281·2	286·9	..	273·9	269·1	..	277·6	+1·8	..	128	− 37
208	Eagle	64 46	141 12	250	973·1	1003·8	− 3·7	278·1	286·9	..	267·7	257·4	..	272·9	+3·7	..	2	− 17
209	Dawson	64 4	139 20	328	965·4	1006·1	− 4·0	276·8	285·2	7th	270·1	261·9	2nd	273·4	+3·7	..	3	− 31
210	Carcross	60 11	134 34	662	..	..	..	281·0	284·1	13th, 15th	271·8	260·8	2nd, 8th	276·4	+2·0	..	9	− 15
211																		
212	Fort Simpson	61 52	121 35	129	995·6	1011·7	..	277·9	293·0	6th	270·9	265·8	23rd	274·4	+5·4	*274·6*	35	+ 12
213	Hay River	60 51	115 20	161	992·2	1012·2	..	279·7	292·4	6th	272·2	267·4	23rd	275·9	+3·1	..	30	..
214	Fort Resolution	61 10	113 50	240	..	..	..	278·6	290·2	..	271·4	263·6	..	275·0	..	..	22	..
225	Jacobshavn	69 13	51 2	12·6	995·2	996·8	−11·9	273·4	282·5	25th	267·1	261·2	11th	270·3	+1·2	*270·6*	14	− 10
226	Godthaab	64 11	51 44	9·0	992·3	993·5	−11·7	275·3	278·2	2, 17, 25	269·7	265·2	24th	272·5	+0·5	*272·4*	24	− 39
229	Angmagsalik	65 37	37 34	31·7	996·0	999·9	− 6·3	275·6	281·1	25th	270·5	264·7	15th, 16th	273·1	+0·9	*273·1*	472	+308
230																		
231	Stykkisholm	65 5	22 46	11·3	1003·5	1004·9	− 0·5	281·1	285·5	6th	275·5	271·5	31st	278·3	+2·0	*278·2*	109	+ 32
232	Vestmanno	63 26	20 15	7·7	1004·8	1005·7	+ 0·3	281·1	284·2	7th	276·6	273·4	31st	278·9	+0·8	*279·2*	257	+108
233	Grimsey	66 33	17 58	22·0	1005·5	1006·3	− 0·4	279·6	285·2	8th	274·6	270·2	14th	277·1	+1·2	*276·9*	5	− 31
234	Berufjord	64 40	14 19	18·0	1006·2	1008·4	+ 2·0	281·0	285·2	6th	275·5	271·9	18th	278·3	+1·8	*278·3*	124	− 3
235	Thorshavn	62 3	6 45	25·7	1010·6	1013·7	+ 6·0	283·4	286·0	11th	278·3	271·6	2nd	280·9	+1·3	..	102	− 58
236	Lerwick	60 9	W 1 8	18·0	1014·7	1016·7	+ 8·4	283·1	285·2	2nd	280·6	277·4	2nd	281·9	+1·0	..	57	− 43
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1014·0	1019·5	+ 9·6	..	288·5	9th	278·4	274·4	30th	..	+0·2	*280·7*	67	−173
238	Christiansund	63 7	7 45	17·8	1016·6	1018·7	+10·3	..	286·1	9th	278·7	274·6	26th	..	+0·4	*280·4*	65	− 83
239	Trondhjem	63 26	10 25	39·5	1015·1	1020·0	+11·0	..	284·8	8th	274·6	268·9	30th	..	−0·5	*277·5*	75	− 36
240	Bodö	67 17	14 24	20·5	1015·9	1018·4	+10·6	..	284·0	11th	274·9	271·0	29th	..	+0·4	*277·6*	70	− 38
241	Haparanda	65 50	24 9	9·2	1018·1	1019·3	+ 9·0	276·8	282·0	5th, 8th	271·3	263·0	30th	274·1	−0·2	*274·1*	5	− 51
242	Helsingfors	60 10	24 57	11·7	1020·8	1022·4	+ 8·9	278·1	281·4	1st	274·0	269·5	22nd, 31st	276·0	−2·3	276·1	23	− 43
242*a*	Kuopio	62 54	27 40	99·7	1009·9	1021·2	+ 8·6	277·4	281·6	15th	272·5	268·0	30th	275·0	−1·2	*274·9*	13	− 36
243	Kola	68 53	33 1	6·7	..	1014·5	+ 5·8	..	281·6	22nd	..	265·4	29th	..	+1·1	*273·7*	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1021·5	+ 7·4	..	283	..	..	269	..	..	−0·5	*275·6*	11	− 35
245	Arkhangelsk	64 33	40 32	6·7	..	1018·0	+ 6·0	..	284	..	..	261	..	..	+0·1	*274·3*	14	− 26
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1014·8	+ 1·9	..	285·8	1st	..	254·0	24th	..	+0·8	*270·2*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	? 108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1005·8	1009·1	− 4·0	..	277·0	6th	262·1	250·5	18th	265·3	+1·4	..	15	+ 4
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1001·0	1001·5	−2·9	281·4	284·1	4th	275·5	270·8	31st	278·5	+0·2	..	172	− 61
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	281·3	283·0	9, 15, 19	277·2	273·6	6th, 15th	279·2	..	..	343	+167
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	999·7	1003·0	−5·1	286·5	291·9	..	280·3	275·2	..	283·4	+2·8	..	179	−119
310	Prince Rupert	54 18	130 18	52	997·9	1004·7	−6·5	287·1	291·9	25th	280·7	276·3	2nd	283·9	+2·6	..	304	− 46
311	Barkerville	53 2	121 35	1274	865·6	1011·8	−3·1	283·4	288·0	7th, 9th	273·3	266·9	1st	278·4	+2·3	*278·3*	56	− 18
312	Kamloops	50 41	120 29	380	971·5	1012·8	−2·6	287·7	293·0	15th	278·3	271·4	22nd	283·0	+1·2	*282·8*	20	+ 5
313	Calgary	51 2	114 2	1033	892·6	1012·8	−1·4	286·2	297·4	14th	273·7	267·4	23rd	279·9	+1·4	*279·8*	46	+ 32
314	Fort Chipewyan	58 42	111 10	218	988·0	1014·7	..	280·7	287·4	17th	273·7	268·0	25th	277·2	+3·3	*277·5*	6	− 13
315	Prince Albert	53 10	106 0	437	960·4	1013·5	+0·3	282·2	290·8	17th	273·9	264·7	26th	278·1	+1·6	277·7	35	+ 15
316	Qu'Appelle	50 30	103 47	645	936·7	1013·5	−0·9	286·7	298·0	1st, 17th	275·2	260·2	26th	280·9	+3·0	*280·2*	36	+ 11
317	Minnedosa	50 15	99 50	515	952·9	1014·9	−0·2	287·6	300·5	1st	276·0	265·2	26th	281·8	+4·2	*280·9*	37	+ 13
318	Berens River	52 18	97 23	216	..	..	..	284·9	295·2	..	275·6	260·2	..	280·2	+2·7	*279·4*	31	− 2
318a	York Factory	57 0	92 28	16·8	1012·9	1015·0	+2·8	..	..	..	270·6	257·4	26th	274·6	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1016·2	1017·3	+2·4	283·9	297·4	3rd	274·3	265·2	27th, 28th	279·1	+1·5	..	0	− 46
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1005·6	1008·7	..	274·8	283·0	10th	267·8	255·8	26th	271·3	..	..	74	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	280·2	5th, 31st	..	269·7	25th	276·1	−2·3	..	41	− 42
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1015·5	1017·1	+5·1	286·9	290·2	4th	281·8	275·8	16th	284·3	+0·5	284·5	151	+ 7
335	Aberdeen	57 10	2 6	26·8	1013·7	1017·0	+6·7	285·1	290·2	5th	279·7	273·0	15th	282·4	+0·9	282·7	52	− 24
336	Greenwich	51 28	W 0 0	48·5	1010·6	1016·6	+3·5	288·2	293·6	3rd	280·1	274·7	28th	284·1	+0·8	283·9	24	− 44
337	Uccle	50 48	E 4 22	100	1004·0	1016·2	+1·7	286·4	291·3	25th	279·1	274·6	7th, 12th	282·7	−0·8	282·7	43	− 35
338	De Bilt	52 6	5 11	3·0	1016·0	1016·4	+2·9	286·6	290·5	15th	279·8	274·3	7th	283·2	+0·6	283·0	38	− 30
338a	Hamburg	53 33	9 59	40	1011·5	1016·4	+2·3	284·6	288·9	1st	280·9	276·0	31st	282·7	+0·1	*282·4*	73	+ 5
339	Copenhagen	55 41	12 36	5·0	1017·5	1018·1	+4·7	283·4	287·7	1st	280·4	276·3	7th	281·9	+0·5	*282·2*	31	− 20
340	Potsdam	53 23	13 14	84·9	1006·2	1016·7	+1·2	283·9	291·2	14th	278·6	273·7	7th	281·3	−0·5	281·0	48	+ 3
340a	Upsala	59 51	17 38	24·0	1018·8	1021·7	+9·5	280·8	286·6	1st, 9th	274·9	269·7	7th	277·9	−0·4	277·8	20	− 33
341	Warsaw	52 13	21 2	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
342	Jurjev	58 23	26 43	74·5	1012·9	1022·3	+6·9	279·3	285·5	17th	272·7	267·7	28th	276·0	−2·5	275·4	8	− 37
343	Petrograd	59 56	30 16	4·8	..	1022·0	+8·1	..	283	..	..	270	..	..	−2·1	*275·8*	26	− 19
344	Kiev	50 27	30 30	182·9	..	1020·6	+0·8	..	289	..	..	269	..	..	−2·0	*278·7*	33	− 13
344a	Moscow	55 46	37 40	156	..	1023·5	+2·3	..	284	..	..	266	..	..	−2·7	*275·0*	34	− 10
345	Saratov	51 32	46 3	59·9	..	1025·4	+4·7	..	293	..	..	264	..	..	−1·2	*278·0*	26	− 10
346	Kazan	55 47	49 8	79·8	1015·5	1025·6	+7·0	..	285	..	..	262	..	..	−2·3	274·7	16	− 17
347	Orenburg	51 45	55 6	114·1	..	1026·0	+5·3	..	294	..	..	253	..	..	−0·4	*276·5*	..	..
348	Perm	58 1	56 16	163·0	..	1022·7	+5·7	..	289	..	..	261	..	..	−1·1	*273·0*	18	− 29
349	Ekaterinburg	56 50	60 38	288·9	..	1023·8	+5·5	..	289	..	..	255	..	..	−1·7	*272·3*	13	− 10
350	Tobolsk	58 12	68 14	108	..	1020·7	+3·4	..	285·2	1st	..	255·6	25th	..	+0·4	*273·6*	..	..
351	Akmolinsk	51 12	71 23	? 347	..	1024·6	+0·6	..	294·1	2nd	..	248·5	30th	..	−0·8	*274·2*	3	− 24
352	Omsk	54 58	73 23	90	..	1022·6	+3·1	..	290·8	5th	..	253·0	30th	..	−2·3	*272·0*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1022·6	−0·5	..	290·9	7th	..	237·5	31st	..	−3·6	*271·3*	..	..
354	Tomsk	56 30	84 58	121·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
357	Irkutsk	52 16	104 19	467	..	..	..	..	..	..	..	..	..	..	..	..	..	..
358	Kirensk	57 47	108 7	? 263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	? 359	973·0	1017·8	..	..	288·6	2nd	263·0	253·0	28th	..	..	*270·8*	3	..
362	Blagoveshchensk	50 15	127 31	133·6	1000·7	1017·3	+1·0	..	291·3	3rd	272·0	261·4	29th	..	+2·9	*277·2*	16	− 3
363	Paikanskii Sklad	50 11	130 7	? 145	998·6	1016·8	..	..	290·4	3rd	266·0	255·7	29th	..	..	*274·2*	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·6	1011·2	−0·3	..	287·8	16th	269·1	256·7	30th	..	−0·1	*274·8*	25	− 25
366	Okhotsk	59 21	143 17	6·0	1007·2	1008·0	−4·7	..	282·4	1st	267·1	256·4	31st	..	+0·8	*270·8*	10	− 14
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	994·8	1005·6	+1·0	..	283·7	9th	272·8	268·5	30th	276·6	−0·3	..	44	− 72
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1004·0	1015·6	−2·0	287·4	292·4	14th	281·6	278·6	22nd	284·5	+1·6	284·1	66	+ 1
412	Portland, Oregon	45 32	122 41	46·6	1008·8	1014·2	−3·7	290·8	295·2	14th	283·3	279·1	22nd	287·1	+1·6	*286·4*	88	+ 5
413	Macleod	49 44	113 24	954	..	..	..	286·6	298·6	17th, 18th	275·2	266·3	8th	279·9	−0·9	*279·3*	53	+ 30
414	Helena	46 34	112 4	1253	874·2	1017·6	0·0	284·7	294·7	16th	275·2	266·3	8th	279·9	−0·9	*279·3*	53	+ 30
414a	Salt Lake City	40 46	111 54	1329	868·0	1015·6	−1·2	291·4	297·4	1st	281·1	274·7	4th	286·3	+1·8	*286·1*	66	+ 28
415	Cheyenne	41 8	104 48	1856	814·4	1016·6	+0·3	288·2	296·3	16th	275·1	269·1	14th	281·7	+1·8	282·2	33	+ 12
416	North Platte	41 8	100 45	859	918·7	1018·3	+1·6	293·1	303·6	17th	276·7	269·7	15th	284·9	+1·3	*284·3*	23	− 5
416a	Bismarck	46 47	100 38	510·6	956·3	1017·3	+0·6	291·4	304·7	1st	275·8	266·9	26th	283·6	+2·8	282·5	20	− 5
417	Winnipeg	49 53	97 7	231·6	986·4	1014·5	−0·8	289·4	302·2	1st	277·7	264·7	26th	283·6	+5·7	*282·4*	56	+ 18
418	Duluth	46 47	92 6	345·1	975·8	1017·6	+1·7	286·6	298·6	4th	278·6	266·3	26th	282·6	+3·2	*282·3*	29	− 25
419	Port Arthur	48 27	89 12	196·3	992·9	1017·3	+1·7	285·8	293·6	2nd, 21st	276·3	266·9	26th	281·1	+3·0	*280·9*	34	− 29
420	Chicago	41 53	87 37	250·9	987·9	1017·9	+0·2	291·4	300·2	7th	285·0	270·8	27th	288·2	+3·3	*288·4*	73	+ 10
421	Toronto	43 40	79 24	115·5	1004·4	1018·5	+0·5	289·3	299·2	21st	279·7	269·7	27th	284·5	+3·2	284·1	39	− 23
422	New York (Central Park)	40 46	73 58	29·6	1015·4	1018·9	+0·7	292·3	301·3	11th	284·2	273·6	28th	288·2	+1·7	287·9	57	− 42
423	St. John, N.B.	45 17	66 4	? 22	1013·9	1017·6	+1·1	286·2	296·3	3rd	278·6	268·4	28th	282·4	+2·0	*282·3*	75	− 40
424	S. W. Point, Anticosti	49 24	63 35	9·1	1011·8	1012·9	−0·4	282·2	291·9	5th	272·8	267·4	28th	277·5	+0·1	..	92	+ 9
425	Sable Island (Main Station)	43 57	60 6	7·6	1017·6	1018·5	+0·8	285·7	289·7	..	280·4	276·3	..	283·1	−1·2	..	71	− 53
426	St. Johns, Newfoundland	47 34	52 42	38·1	1007·4	1011·8	−1·8	282·5	291·9	12th	275·1	268·6	26th	278·8	−1·6	..	144	0
435	Madrid	40 24	3 41	655·4	940·0	1015·6	−1·6	295·1	304·6	4th	279·3	274·8	18th	287·2	+0·4	287·0	25	− 20
436	Nantes	47 15	W 1 34	41·4	1011·0	1016·0	+0·4	288·7	293·3	24th	279·7	273·6	12th	284·2	−0·8	283·8	54	− 8
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·2	1016·4	+1·0	287·5	292·5	4th	278·9	272·7	12th	283·2	−0·3	282·8	35	− 20
438	Marseilles	43 18	5 23	75	1004·2	1013·3	−1·5	291·6	296·4	1st, 2nd	282·7	279·2	29th	287·1	−0·7	*286·8*	190	+133
438a	Zurich	47 23	8 33	493·2	958·4	1017·1	−0·3	287·0	291·9	2nd	277·7	272·0	12th	282·3	+0·1	281·5	31	− 63
439	Rome	41 54	12 28	50·6	1008·9	1014·7	−1·4	292·6	296·7	3rd	284·2	278·9	14th	288·4	−1·4	*288·2*	124	+ 6
440	Vienna	48 15	16 22	202·5	991·8	1016·7	−0·4	284·9	289·0	31st	279·6	271·8	13th	282·4	−0·5	282·1	36	− 13
440a	Buda-Pesth	47 30	19 2	129	1001·7	1017·4	−0·3	287·5	293·6	19th	279·1	274·5	9th	283·3	−1·0	282·8	35	− 31
441	Bucharest	44 25	26 6	82	1007·9	1017·9	−0·9	287·9	294·0	12th	278·5	273·1	9th	283·2	−1·8	282·8	74	+ 33
442																		
443	Odessa (University)	46 29	30 44	65	..	1018·8	−0·8	..	289	..	..	274	..	..	−2·7	*282·2*	49	+ 18
444	Kharkov (University)	50 0	36 14	140	..	1022·2	+0·9	..	289	..	..	269	..	..	−1·5	*278·6*	26	− 15
444a	Novorossiisk	44 44	37 49	37	..	1017·1	−1·3	..	295	..	..	277	..	..	−1·2	*286·4*	69	+ 29
445	Tiflis	41 43	44 48	409	..	1019·1	−2·8	..	297	..	..	276	..	..	−1·0	*286·1*	68	+ 31
446	Astrakhan	46 21	48 2	−14	..	1022·4	0·0	..	295	..	..	271	..	..	−1·1	*282·1*	13	+ 2
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1017·9	−3·4	..	..	..	..	..	..	..	..	..	..	..
449	Tachkent	41 20	69 18	478·3	..	1022·1	−0·2	..	301·2	11th	..	272·0	14th	..	+0·1	*285·3*	..	..
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1014·4	1019·7	−0·2	290·6	297·9	1st	278·7	269·5	21st	284·7	+1·8	283·9	29	− 8
462	Joshin	40 40	129 11	4·0	1018·6	1019·1	+0·7	290·1	293·8	10th	280·6	274·6	22nd	285·3	+0·8	285·2	30	− 5
463	Vladivostok	43 7	131 55	26·8	1015·6	1018·9	−0·2	..	293·3	6th	279·3	271·9	30th	..	+1·0	*283·4*	100	+ 56
464																		
465	Ochiai	47 20	142 44	6·6	1013·6	1014·4	−0·5	285·2	291·7	16th	272·6	263·3	30th	278·9	+0·2	279·0	106	0
466	Nemuro	43 20 N.	145 35 E.	26·7	1012·8	1016·0	+0·5	287·3	292·8	9th	279·9	274·0	31st	283·6	+0·2	283·6	92	+ 5

OCTOBER—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·8	1015·6	−0·9	293·7	304·7	14th	285·7	283·0	22nd	289·7	+1·2	*288·9*	7	− 20
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·6	−0·4	298·1	309·7	13th	283·8	278·6	5th	290·9	+1·6	*290·0*	2	− 23
513	Modena	37 48	113 54	1670	834·4	1015·2	−1·5	291·7	295·8	1st	274·2	271·3	5th	282·9	+1·1	*283·2*	8	− 14
514	San Diego	32 43	117 10	26·5	1010·1	1013·2	−1·0	295·6	305·2	25th	288·2	285·2	23rd	291·9	+1·2	*291·4*	27	+ 16
515	Santa Fé	35 41	105 57	2138	789·3	1016·2	+1·6	288·6	295·8	1st	276·7	272·4	23rd	282·7	−0·9	*282·2*	61	+ 34
516	Denver	39 45	105 0	1613	838·7	1016·6	+0·5	292·4	299·1	3rd	277·2	271·9	14th	284·8	+1·3	*284·9*	77	+ 51
517	Abilene	32 23	99 40	529·6	955·6	1016·6	−0·1	297·1	306·3	9th	284·2	273·6	27th	290·7	−1·0	*289·8*	104	+ 41
518	Saint Louis	38 38	90 12	173·1	997·0	1017·6	−0·5	293·4	300·8	6th	284·7	272·4	27th	289·1	+1·2	*288·9*	189	+126
519	Mobile	30 41	88 2	17·4	1014·7	1016·9	−0·4	297·8	302·4	6th	289·1	275·8	28th	293·4	+0·6	*293·1*	19	− 66
520	Nashville	36 10	86 47	166·4	999·2	1018·9	0·0	294·5	301·3	1st	284·7	270·8	28th	289·6	+1·1	*289·8*	71	+ 14
521	Charleston	32 47	79 56	14·6	1016·1	1017·9	−0·1	294·9	301·9	11th	289·9	277·4	28th	293·3	+1·2	*293·6*	105	+ 8
522	Washington	38 54	77 3	34·1	1015·1	1019·3	+0·4	293·7	303·0	10th	283·7	273·6	28th	288·7	+1·7	*288·3*	42	− 35
523																		
524	Bermuda	32 18	64 46	46·0	1012·3	1017·7	+1·8	298·7	299·9	20th	292·3	289·1	24th	295·5	−0·7	..	104	− 45
531	Horta	38 32	28 38	28	1015·0	1017·9	−1·5	294·9	298·5	1st	290·7	286·4	30th	292·8	+0·4	*292·3*	153	+ 52
532	Ponta Delgada	37 44	25 40	17	1016·8	1017·9	−1·3	294·8	296·8	4th	290·8	286·7	29th	292·8	+1·3	*292·3*	116	− 40
533	Madeira (Funchal)	32 37	16 54	25	1016·1	1019·0	+0·9	296·7	299·7	7th	291·7	290·0	29th	294·2	+0·7	*294·3*	137	+ 52
535	Lisbon	38 43	9 9	95	1001·0	1012·3	−4·6	294·3	304·9	3rd	287·5	282·9	30th	290·9	+0·6	*290·5*	95	+ 15
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1014·6	1016·6	+1·3	295·1	299·1	5th	288·7	283·6	30th	291·9	0·0	*291·8*	116	+ 32
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	975·1	1015·2	−0·9	293·7	298·1	8th	287·8	279·7	31st	290·7	−0·7	290·2	80	+ 1
538	Palma	39 34	2 38	23	1011·8	1014·5	−1·6	294·9	301·4	1st	287·7	282·6	31st	291·3	−0·7	..	128	+ 51
538a	Tunis	36 48	10 10	33	..	1015·0	−0·7	297·9	304·3	15th	288·7	285·0	30th	293·3	+0·5	*292·9*	27	− 23
539	Malta	35 54	14 31	58·8	..	1016·0	−1·4	295·4	298·0	12th	292·2	289·2	14th	293·8	−0·2	..	52	− 16
540	Riposto	37 41	15 14	14·2	..	1016·8	+0·2	294·4	296·4	12th	288·8	286·5	10th	291·6	−1·7	*291·1*	173	+ 87
541	Athens	37 58	23 43	107·1	1003·9	1016·7	0·0	294·1	297·9	3rd	286·1	282·2	10th	290·1	−2·1	289·8	37	− 5
542	Alexandria	31 9	29 54	32·0	1013·1	1016·8	+0·4	301·8	310·7	29th	292·4	289·6	22nd	297·1	−0·6	*295·4*	0	− 7
543	Cairo (Helwan)	29 52	31 20	115·6	1003·0	1016·5	+0·5	302·1	309·2	29th	290·5	288·0	10th	296·3	−0·4	*295·4*	0	0
544	Nicosia	35 11	33 22	152	..	1016·3	+1·0	299·8	303·6	5th	283·6	281·9	18th	291·7	−2·9	..	12	− 10
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Lenkoran	38 46	48 52	−19	..	1018·6	−2·4	..	298	..	..	281	..	..	+0·1	*289·5*	283	+ 84
547	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	909·2	1016·8	..	297·5	307·7	2nd	278·7	270·5	16th	288·1	+1·6	..	13	+ 3
549	Quetta	30 11	67 3	1677	835·7	..	−0·8	297·5	302·9	3rd	278·7	272·6	18th	288·1	+1·2	*288·1*	47	+ 45
550																		
551	Lahore	31 34	74 20	214·0	989·8	1012·6	+2·5	303·5	309·2	5th	289·9	284·6	20th	296·7	−1·6	*295·7*	49	+ 45
551a	Simla	31 7	77 8	2205	784·7	..	+1·1	288·1	291·5	6th	281·4	277·5	16th, 17th	284·7	−2·1	*284·7*	89	+ 67
552	Leh	34 10	77 42	3503	668·5	..	−1·1	285·4	291·5	5th	271·6	266·1	19th	278·5	−1·4	*277·6*	1	− 3
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	39	+ 16
559	Hang Kow	30 35	114 17	37·0	1015·7	1020·1	−0·2	296·3	302·0	3rd	289·2	282·5	21st	292·7	+0·8	*292·4*	109	+ 23
560	Tiensin	39 10	117 10	5·0	1019·8	1020·4	−0·2	293·5	301·3	1st	284·6	278·1	21st	289·1	+1·4	*288·8*	42	+ 22
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1019·4	+0·3	296·9	301·9	18th	287·3	282·2	21st	292·1	+0·8	291·2	83	− 2
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1019·8	+1·0	292·3	296·5	16th	284·2	278·1	22nd	288·3	+0·3	287·7	83	+ 95
562a	Nagasaki	32 44	129 52	133·0	1003·1	1018·9	+3·0	294·8	299·0	18th	287·7	282·1	21st	291·3	−0·1	290·9	225	+ 43
563	Kioto	35 1	135 44	42·9	1013·5	1018·6	+2·2	295·3	301·4	20th	283·0	277·6	24th	289·1	+0·1	288·6	88	− 32
564	Tokio	35 41	139 45	21·3	1015·1	1017·6	+1·4	294·5	298·9	20th	284·6	279·8	24th	289·5	+0·3	289·1	152	− 77
565	Miyako	39 38	141 59	30·4	1013·7	1017·4	+0·7	292·5	298·2	5th	280·5	275·4	22nd	286·5	+0·1	285·5	84	
566		N.	E.															

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

605	Honolulu	N. 21 19	W. 157 52	11·6	1015·2	1016·5	+0·4	300·6	301·3	..	295·4	292·4	..	298·0	+0·2	..	30	− 20
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1014·5	1016·6	−0·3	297·4	302·4	9th	292·7	285·2	15th	295·1	−0·2	*295·2*	75	− 39
618	New Orleans	29 58	90 4	15·5	1014·5	1016·2	−0·7	298·1	305·2	10th	290·5	280·2	28th	294·3	−0·2	*293·6*	67	− 14
619	Havana	23 8	82 22	24·3	..	1014·1	+0·9	302·4	305·7	1st	295·4	292·6	4th	298·9	0·0	*298·6*	195	+ 25
620	Key West	24 33	81 48	6·7	1013·4	1013·9	+0·1	301·4	304·1	16th	296·1	294·1	3rd	298·7	−0·3	*298·6*	234	+ 92
621	Nassau, Bahamas	25 5	77 21	3·7	..	1016·9	+2·5	302·7	304·7	9th	296·4	294·1	2nd	299·6	0·0	..	199	+ 41
622																		
633	La Laguna	28 28	16 20	547	954·7	1017·3	−0·8	295·9	299·4	4th	287·1	283·4	23rd	291·5	−0·3	..	6	− 55
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	290·6	293·7	26th	273·4	266·5	26th	282·0	−1·0	..	3	− 21
637	Insalah	27 8	E 2 27	280	..	..	..	306·7	315·0	1st	289·2	281·9	25th	297·9	−1·8	*297·7*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	307·4	311·4	15th	289·0	286·7	24th	298·2	+0·2	*298·2*	..	..
643	Tor	28 13	33 37	1·9	1012·5	1012·7	+0·2	301·2	305·6	8th	290·4	287·3	18th	295·8	−0·9	*296·0*	..	..
644	Aswan	24 2	32 53	99·6	1002·2	1013·7	+1·0	308·2	311·0	30th	292·7	290·4	19th, 22nd	300·5	−0·7	*299·6*	..	..
647	Bushire	28 59	50 53	4·3	1013·0	1013·5	+0·4	305·1	308·4	17th	296·7	292·7	29th	300·9	+1·5	..	0	− 3
648	Jask	25 44	57 47	4·0	1012·6	1013·0	+2·1	306·4	312·2	8th	298·2	293·5	31st	302·3	+0·9	..	15	+ 14
649	Kurrachee	24 53	66 57	4·0	1013·6	1014·1	+1·6	304·3	309·0	18th	297·9	295·2	18th	301·1	+0·5	*300·4*	0	0
650	Hyderabad, Sind	25 24	68 18	29·3	1009·6	1012·9	+1·7	308·6	311·3	15th	294·9	291·3	20th	301·7	−0·2	..	4	+ 4
651	Jaipur	26 56	75 52	436·5	965·1	1011·4	+1·5	306·9	309·5	5th	291·9	286·9	20th	299·4	−0·1	*298·6*	13	+ 6
652	Nagpur	21 8	79 5	310·2	979·7	1014·6	+2·2	306·6	307·6	9th	292·7	288·4	23rd	299·7	+0·4	*299·2*	0	− 49
653	Allahabad	25 25	81 51	94·1	1003·2	1014·1	+4·5	306·1	308·7	9th	291·7	287·7	21st	298·9	−0·3	*298·1*	2	− 62
654	Calcutta	22 36	88 23	6·4	..	1012·0	+2·6	304·7	306·4	1st	295·7	291·6	30th	300·2	+0·1	*299·8*	8	− 91
655	Gauhati	26 8	91 41	59·7	1008·5	1015·4	+2·9	302·8	305·5	3rd	292·6	288·6	29th, 30th	297·7	−1·3	..	10	− 65
655a	Cherrapunji	25 15	91 42	1314	871·5	..	+1·1	294·1	298·2	5th	286·9	284·0	23rd	290·5	−1·4	..	119	−436
656	Shillong	25 33	91 48	1500	852·9	..	+1·4	293·9	297·4	2nd, 5th	283·7	279·5	25th	288·8	−1·5	..	28	−158
656a	Akyab	20 11	92 56	6·1	1012·8	1013·5	+2·4	303·2	305·6	2nd	295·6	292·2	28th	299·4	−1·4	*299·0*	385	+134
657	Phu Lien	20 48	106 37	115·6	1001·5	1014·9	+1·5	301·9	305·2	29th	295·5	291·3	22nd	298·7	+0·4	298·2	281	+149
658	Moncay	21 31	107 51	9	1014·3	1015·3	+1·7	302·9	305·5	2nd	294·5	290·6	21st	298·7	+0·5	*298·0*	141	− 6
659																		
660	Hong Kong	22 18	114 10	33·2	1012·3	1016·1	+2·5	300·3	302·7	7th	296·5	292·2	22nd	298·4	+0·7	298·3	164	+ 39
661	Taihoku, Formosa	25 2	121 31	9·3	1016·2	1017·2	+2·5	302·3	305·9	26th	292·9	289·0	12th	297·6	+0·9	297·0	15	−118
662	Naha	26 13	127 41	10·5	1016·8	1018·0	+5·6	301·0	304·1	7th	292·8	290·0	13th	296·9	−0·5	296·5	55	− 96
		N. ° ′	E. ° ′	metres.	mb.	mb	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·1	..	+0·1	294·5	298·4	5th	283·8	280·8	31st	289·1	+0·8	288·8	44	+ 4
718a	Oaxaca	17 4	96 44	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·6	..	..	293·0	..	..	..	..	335	− 10
720	San Salvador	13 44	89 9	657	938·6	1011·7	+1·0	..	310·0	..	..	286·5	..	296·4	+0·7	..	225	− 41
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·0	+1·2	303·6	305·3	7th	296·1	293·9	sev. dates	299·9	+0·3	*299·2*	134	− 79
722	Port au Prince	18 34	72 22	37·4	1008·7	1013·0	+1·5	306·2	309·1	6th	295·1	293·9	17th	300·7	+0·6	299·7	131	− 51
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·9	1012·6	+0·7	304·2	305·9	12th	298·8	297·3	7th	301·5	+1·0	..	46	−113
724	Grenada (Richmond Hill)	12 5	61 46	155·1	993·8	1011·5	+0·4	302·8	305·2	27th	297·2	295·8	22nd, 23rd	300·0	+0·3	*299·4*	214	+ 28
725	Barbados	13 8	59 36	55·2	..	1012·9	+0·5	302·2	303·8	21st	298·1	294·6	19th	300·2	+1·0	*300·0*	141	− 16
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·7	1013·9	+0·5	300·6	301·8	5th, 6th	297·0	294·0	22nd, 30th	298·8	0·0	*299·1*	8	− 23
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·2	1014·1	+0·6	302·1	303·8	6th	297·8	296·0	30th	300·0	+0·3	*300·0*	31	− 2
733	Bathurst	13 24	16 36	1·5	..	1012·6	+0·1	304·3	308·0	11th, 25th	295·1	291·9	16th	299·7	−0·5	..	66	− 33
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	308·4	310·2	2, 8, 9	..	..	..	303·6	..	..	51	+ 11
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	55	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	312·0	314·6	4th	296·4	291·2	29th	304·2	−0·6	*303·5*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	311·0	313·6	31st	295·0	290·2	25th	303·0	+1·4	..	1	− 10
738	Kaduna Junction	10 50	7 25	640	..	..	..	304·2	306·3	26th	291·9	286·9	23rd	298·1	−0·3	..	45	− 15
739	Maiduguri	11 47	13 11	361	..	..	..	311·9	313·6	19, 25, 26	294·0	289·7	25th	302·9	+0·9	..	5	− 9
740	Katagum	12 17	10 22	307	..	..	..	..	..	..	..	..	..	..	..	..	..	..
742	El Obeid	13 11	30 14	585	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	Khartoum	15 37	32 33	390	966·9	1009·9	+1·1	312·0	314·8	1st	296·9	292·5	30th	304·5	−0·1	*303·6*	5	0
744	Port Sudan	19 37	37 13	5·9	1010·1	1010·8	+0·7	305·9	308·3	4th	297·6	293·3	25th	301·8	−0·1	*301·5*	4	− 5
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	304·4	305·8	2, 3, 5	301·1	299·1	27th	302·8	+0·4	*301·9*	17	+ 16
746	Aden	12 45	45 3	28·7	1009·7	1012·8	+0·3	303·6	305·8	22nd	298·9	294·9	25th	301·3	−0·4	*300·4*	24	+ 22
751	Bombay	18 54	72 49	11·3	..	1011·6	+1·9	305·7	307·6	23rd	298·9	297·4	18th	302·3	+1·4	*301·6*	0	− 47
752	Bangalore	12 59	77 38	920	912·3	1009·9	+2·0	301·1	303·7	3rd	291·3	289·8	27th, 29th	296·2	+0·1	*295·3*	139	− 21
752a	Kodaikanal	10 14	77 28	2343	772·5	..	+1·0	290·0	294·2	1st	283·9	282·1	18th	286·9	0·0	*286·9*	404	+139
753	Madras	13 4	80 14	6·7	..	1011·8	+2·9	304·0	309·2	7th	296·8	295·4	29th	300·4	−0·4	*299·7*	488	+210
754	Waltair	17 45	83 16	68·9	1006·3	1014·2	+3·6	304·8	306·9	6th	297·3	295·5	26th	301·4	+0·2	*300·4*	4	−160
755	Port Blair	11 40	92 40	17·7	1010·4	1012·4	+1·4	304·2	305·8	24th	298·6	297·0	4th, 13th	301·4	+0·8	*300·7*	140	−137
756	Rangoon	16 46	95 48	5·5	1012·9	1013·5	+2·3	304·4	306·3	21st	297·0	295·2	1st	300·7	+0·1	*299·8*	256	+ 85
757	Saigon	10 46	106 42	11·2	1010·1	1011·3	+1·8	305·4	306·8	24th	296·7	295·4	5, 6, 10	301·1	+0·8	..	82	−193
758	Nhatrang	12 16	109 12	3·7	1012·1	1012·6	+2·7	303·3	304·4	10th	296·1	295·4	14th	299·7	−0·1	..	202	−108
759	Bolinao	16 24	119 53	9·7	..	1011·9	+3·5	305·8	306·6	9th, 24th	296·3	294·9	22nd	301·1	+0·3	300·5	42	−142
760	Vigan	17 34	120 23	14·7	..	1011·9	+3·3	305·2	306·7	16th	296·4	295·2	2nd	300·8	+0·1	300·4	18	−164
761	Manila	14 34	120 59	14·2	..	1012·4	+3·3	304·8	306·4	3rd	294·9	293·0	23rd	299·9	−0·8	298·9	40	−148
762	Ormoc	11 0	124 36	5·6	..	1011·5	+2·8	304·4	306·1	28th	294·9	292·5	28th	299·7	+0·1	299·1	156	− 79
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·8	304·2	19th	297·4	?295·6	? 29th	300·1	+0·3	..	383	+ 37
		N.	E.															

OCTOBER—ZONE 8.

Between Latitude 10° N. and 0°.

805	Fanning Island	N. 3 55	W. 159 23	4·3	..	..	..	307·4	310·2	25th	298·1	296·7	13th	302·8	+1·5	*301·1*	358	+261
819	Culebra	9 10	79 40	123·1	..	..	..	..	..	..	..	..	..	..	..	..	208	− 82
819a	Colon	9 23	79 23	3·0	..	1010·9	+0·5	301·9	305·8	4th	297·4	295·8	11th	299·6	+0·3	..	563	+185
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	293·0	−0·4	..	73	− 24
822	Caracas	10 31	66 56	1025	898·4	..	+0·2	304·7	305·8	17th	295·3	293·6	15th	300·0	..	..	75	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	985·3	1011·7	+0·6	303·6	304·7	18th, 25th	297·6	295·2	5th, 30th	300·6	+0·3	..	122	+ 62
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·9	+0·7	..	..	..	..	..	..	300·9	+0·2	*299·9*	67	− 6
826a	Paramaribo	5 49	55 9	4	..	..	..	306·3	307·6	20th, 21st	296·4	295·2	10th	301·3	+0·1	*301·6*	19	− 15
833	Cayenne	4 56	52 21	6	?1010·9	?1012·7	+0·2	303·5	304·8	..	294·9	291·0	..	299·2	0·0	*299·5*	307	−120
834	Conakry	9 31	13 43	16	1004·4	1012·4	+0·5	304·2	305·8	22nd	295·9	294·0	5th	300·1	+0·3	..	256	− 68
835	Freetown, Sierra Leone	8 30	13 9	68·3	..	..	..	302·5	304·1	30th	294·1	293·0	12th	298·3	−0·9	..	18	− 31
836	Cape Coast Castle	5 5	1 13	..	..	..	..	301·9	306·3	28th	292·7	291·9	12th	297·3	−1·4	..	13	− 34
	Accra	5 35	W 0 6	18														
837	Lagos	6 27	E 3 24	1·8	..	1012·0	+0·3	303·2	304·3	..	297·3	294·7	..	300·3	+1·1	..	108	− 88
838	Zungeru	9 49	6 10	185·3	..	1013·7	+1·8	305·3	308·0	31st	295·3	293·6	6th	300·3	+0·4	..	118	+ 38
838a	Libreville	0 23	9 26	35	..	..	..	303·5	305·0	10th	295·5	294·8	14th	299·5	+0·9	..	231	−110
839	Yola	9 12	12 30	259	..	..	..	306·7	309·7	30th	295·6	293·6	11th, 14th	301·1	+0·4	..	84	+ 6
841	Wau	7 42	28 3	440	961·6	1010·5	+0·1	309·9	313·0	31st	292·8	292·0	sev. dates	301·3	+1·2	*299·6*	247	+125
842	Malakal (Kodok)	9 53	32 8	387·5	966·4	1009·8	+1·3	306·6	309·6	18th	293·7	291·6	20th	300·2	−0·1	*298·7*	74	− 8
843	Entebbe	0 5	32 29	1171	883·8	..	+0·1	299·5	301·1	7th	290·3	288·9	24th	294·9	+0·1	*293·9*	87	− 4
844	Mongalla	5 11	31 47	439·0	959·6	1008·3	0·0	305·3	308·2	16th, 21st	294·3	292·6	12th, 28th	299·8	−0·5	*298·3*	135	+ 22
845	Harrar	9 42	42 30	1856	..	..	..	297·5	301·0	19th	286·6	285·0	21st	292·1	−0·9	..	126	+ 91
851	Cochin	10 0	76 21	2·7	1011·9	1012·2	+0·6	304·2	306·1	12th	297·1	295·9	31st	300·7	+0·6	*300·0*	414	+ 82
852	Colombo Observatory	6 54	79 53	7·3	1010·0	1010·8	+1·1	303·1	305·2	19th	296·2	295·3	8th	299·7	−0·2	*299·0*	407	+ 50
852a	Newera Elija	6 59	80 47	1886	..	..	..	294·1	296·3	3rd	284·5	281·9	23rd	289·3	+1·1	..	346	+ 64
853	Trincomalee	8 34	81 14	30·2	1007·2	1010·6	+2·6	304·4	309·0	4th	296·8	295·3	7th	300·6	−0·3	..	527	+319
855	Medan	3 35	98 41	23·5	..	1011·2	+0·8	303·0	304·6	22nd	295·1	294·0	29th	299·1	..	298·3	287	+ 27
856	Kota Radja	5 32	95 20	7·1	..	1010·9	−0·2	..	..	..	..	..	..	..	..	..	129	− 56
857	Penang	5 34	100 20	6·3	1011·0	1011·7	+1·3	304·6	306·1	15th	295·9	295·2	1st	300·2	−0·1	..	355	− 57
858	Singapore	1 17	103 51	3·0	1011·1	1011·4	+1·8	304·7	305·8	17, 19, 25	296·9	294·7	21st	300·8	+0·5	..	55	−149
860	Sandakan	5 49	118 12	..	..	..	..	305·4	306·3	sev. dates	297·2	294·1	13th	301·3	+0·9	..	176	− 67
861	Tagbilaran	9 38	123 51	26·2	..	?1011·0	+2·6	?304·2	305·8	1st	?295·5	?294·4	? 22nd	?299·9	−0·6	299·3	..	..
861a	Menado	1 30	124 50	3·5	..	1009·7	+0·8	306·1	309·2	18th	296·2	293·3	7th	301·1	..	301·1	0	−112
862	Surigao	9 48	125 29	6	..	1011·2	+2·8	303·7	306·2	5th	?295·9	?294·5	? 17th	?299·8	−0·6	299·4	251	+ 22
863	Yap	9 29	138 8	31·9	..	1009·1	..	..	..	..	..	..	..	..	..	..	138	−126
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·5	1010·6	−0·6	..	..	..	..	..	..	..	−0·3	*300·7*	243	+219
906																		
923	Manaos	3 8	59 59	44·9	1004·5	1009·6	+2·2	..	309·6	..	..	296·0	..	301·5	+0·2	..	172	+ 79
925	Turyassu	1 25	45 15	15·1	1010·0	1011·7	..	..	307·2	..	..	294·0	..	300·1	..	..	3	..
929	Quixeramobim	5 16	39 15	207·0	989·5	1013·0	+0·9	..	308·4	..	..	294·8	..	301·3	0·0	*301·2*	5	+ 4
930	Fernando Noronha	3 50	W32 20	93·0	1001·7	1012·5	+1·0	..	301·2	..	..	295·4	..	297·9	−0·4	..	1	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	299·2	304·7	11th	?289·0	?287·3	4, 9, 29	?294·1	+0·6	*292·8*	52	−122
943*a*	Masaka	0 21	31 47	?1280	..	..	..	299·6	300·2	4, 17, 31	288·5	286·9	15th	294·1	..	*292·7*	128	..
944	Nairobi	1 18	36 59	1661	..	..	..	298·8	301·3	23rd	284·6	280·2	12th	291·7	−0·1	..	60	+ 13
944*a*	Zanzibar	6 10	39 11	21·9	1014·4	1016·9	+0·4	302·8	304·6	22nd	297·7	296·2	17th	300·2	+0·9	298·9	23	− 70
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·9	302·4	24th	297·4	294·1	5th	299·7	..	..	250	+212
947	Seychelles, Port Office	4 37	55 27	4·6	1011·6	1012·1	−0·2	301·9	302·9	4th	298·5	297·2	3rd	300·2	+1·0	..	276	+148
957	Padang	0 56	100 22	6·7	..	1011·6	+0·6	303·0	304·5	1st	296·2	295·0	11th	299·6	..	299·1	296	−215
958	Batavia	6 11	106 50	8	1010·7	1011·6	+1·3	305·6	307·5	3rd	296·1	294·2	13th	300·9	+1·1	300·6	0	−109
958*a*	Pontianak	0 1	109 20	2·6	..	1011·5	+1·7	304·3	305·9	11th	296·5	295·0	28th	300·4	..	299·5	269	−107
959	Passeroean	7 38	112 55	5·0	..	1011·9	+1·6	304·2	306·3	13th	292·8	290·5	4th	298·5	−1·6	298·9	0	− 15
960	Kajoemas	7 56	114 9	950	..	..	..	300·1	302·7	25th	289·7	288·2	5th	294·9	..	293·8	0	− 39
962	Ambon	3 42	128 10	4·2	..	1012·7	+3·0	301·7	303·5	20th	295·1	292·7	11th	298·4	−0·4	298·1	52	−108
963	Manokwari	1 10	134 20	19·0	..	1011·2	..	303·3	304·5	18th	296·4	295·5	20th	299·9	..	299·4	33	− 58
965	Daru	9 4	143 13	7·6	..	..	..	302·2	..	..	295·4	..	..	298·8	−0·8	..	6	− 49
966	Port Moresby	9 29	147 9	39·0	..	1014·0	+2·7	301·5	..	..	295·3	..	..	298·4	−1·2	..	0	− 21
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1011·9	+2·1	..	..	..	..	..	..	..	..	..	148	−219
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	−103
970	Ocean Island	0 52	169 35	25·6	1006·2	1009·1	+0·5	304·4	305·7	28th	298·2	296·2	11th	301·3	+0·3	*300·5*	49	− 73
		S.	E.															

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1010·3	−0·9	..	304·4	..	..	295·1	..	..	+0·5	*299·2*	315	+133
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·2	1015·4	−1·2	299·9	302·4	4th, 30th	292·1	288·0	31st	296·0	−1·5	..	141	+ 55
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	291·9	295·0	7th	288·1	287·0	18th	290·0	0·0	*290·4*	0	0
1022	Arequipa	16 22	71 33	2451	762·2	..	+1·0	293·4	295·8	6th	280·6	278·6	22nd	287·0	−0·2	*286·7*	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·3	..	..	300	..	..	281·5	..	..	291	+1	..	38	+ 2
1026	Cuyaba	15 35	56 0	235	991·0	1017·8	+0·2	..	309·1	..	..	291·5	..	302·4	+0·6	..	67	− 48
1027	Bello Horizonte	19 55	43 56	857	919·6	1015·0	..	301·8	305·0	2nd	288·1	285·6	8th	294·9	..	..	5	..
1028	Cætite	14 2	42 37	900	913·5	1013·0	−1·7	..	307·4	24th	..	286·2	..	295·9	+0·1	*295·7*	39	− 24
1029	Ondina	13 12	38 30	46·6	1009·3	1014·7	..	..	303·6	..	..	293·8	..	297·7	..	..	80	..
1030	Aracaju	10 55	37 4	4·3	1014·2	1014·7	−0·1	..	303·1	..	..	294·2	..	298·6	−0·4	..	320	+251
1035	St. Helena	15 57	W 5 40	632	945·0	1016·9	−3·0	291·8	294·7	22nd	285·3	284·1	6th	288·6	+0·9	*288·2*	38	− 11
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	859·5	..	+0·2	304·1	309·1	3rd	..	..	..	..	..	..	0	− 24
1043	Salisbury, Rhodesia	17 48	31 5	1472	858·9	..	+1·0	305·7	308·1	23rd	286·1	282·3	29th	295·9	+1·7	..	0	− 31
1044	Zomba	15 23	35 18	899	..	1012·5	+2·0	303·9	304·7	sev. dates	291·1	289·1	1st	297·5	+0·5	*295·4*	13	− 25
1045	Sainte Marie	17 0	49 51	15	..	..	..	300·1	302·1	23rd	294·4	292·5	17th	297·3	..	..	127	..
1046	Tananarivo	18 55	47 32	1400	867·5	..	+1·7	299·6	303·2	21st	285·4	281·9	17th	292·5	+0·2	*291·4*	57	− 15
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	1014·2	+0·5	303·6	305·3	31st	298·0	294·1	26th	300·8	+1·2	..	32	− 88
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·7	1011·3	+1·1	305·2	306·3	..	297·1	295·3	..	301·1	+0·9	..	1	− 89
1058																		
1061	Koepang	10 10	123 34	53	..	1013·9	+3·2	304·1	306·9	14th	293·2	291·3	19th	298·7	..	298·6	0	− 15
1061*a*	Derby	17 18	123 40	16·2	..	1014·0	+2·6	307·3	311·9	14th	297·4	290·3	1st	302·3	+0·2	..	1	0
1062	Hall's Creek	18 13	127 46	373·6	..	1013·4	+2·5	309·6	313·0	16th	290·1	283·0	1st	299·9	−1·8	..	23	+ 6
1063	Port Darwin	12 28	130 51	29·6	..	1013·4	+3·2	306·7	308·9	17th	297·1	295·4	7th	301·9	−0·7	301·2	27	− 27
1064	Daly Waters	16 16	133 23	210·6	..	1012·5	+2·7	310·1	313·0	17th	293·2	288·6	9th, 14th	301·7	−1·2	*301·2*	24	+ 3
1065	Mein	13 13	142 47	121·9	..	1013·3	+2·6	305·3	309·0	10th	292·6	288·0	17th	298·9	−1·4	..	5	− 10
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1015·4	+3·2	306·4	309·3	20th	291·9	286·3	9th	299·1	−1·5	..	1	− 18
1067	Samarai	10 37	150 40	..	..	1012·8	+1·5	..	..	..	294·7	..	..	298·6	−0·4	..	19	−149
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1015·6	1016·0	+1·4	298·9	300·9	30th	292·8	289·8	2nd	295·9	−1·5	..	191	− 7
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1013·3	1014·0	−0·1	297·6	301·3	31st	292·3	286·3	24th	294·9	−0·8	..	437	+334
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·0	1016·4	−0·3	290·1	291·2	22nd	281·4	278·5	3rd	285·7	+1·2	*287·6*	2	+ 2
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1009·4	1017·0	+0·7	298·5	310·2	1st	288·1	280·9	5th	293·3	−0·3	*293·6*	145	+ 28
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	914·3	1016·4	−0·1	..	305·0	..	..	277·6	..	290·7	+2·3	..	113	− 45
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·1	1015·3	−0·7	..	303·8	..	..	288·9	..	..	+0·8	295·4	109	+ 25
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	296·7	302·8	9th	284·5	279·7	28th	290·6	+0·6	..	57	− 4
1142	Kimberley	28 42	24 47	1202	883·3	..	+1·1	302·4	308·0	8th	286·2	278·1	5th	294·3	+2·1	293·9	51	+ 26
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1018·9	+2·6	299·8	305·1	6th	291·3	287·2	30th	295·5	−0·6	294·9	29	− 47
1147	Mauritius	20 6	57 33	54·3	1012·1	1018·5	+0·3	299·9	301·9	24th	290·6	287·6	13th	295·2	−0·6	294·6	18	− 17
1159	Onslow	21 43	114 57	4·3	..	1014·2	+1·5	306·8	311·2	18th, 31st	290·8	287·4	1st	298·8	+1·9	..	0	− 1
1160	Peak Hill	25 38	118 47	588	..	1012·4	+0·4	305·4	309·3	18th	291·2	287·6	9th	298·3	+3·1	..	0	− 5
1161	Nullagine	21 53	120 5	386	..	1012·5	+1·0	310·1	312·4	12th	292·5	282·7	3rd	301·3	+2·3	..	1	− 5
1162	Laverton	28 40	122 23	466	..	1016·0	+1·5	303·7	310·8	19th	289·2	278·2	25th	295·5	+2·6	..	5	− 3
1163	Alice Springs	23 38	133 37	587	..	1016·1	+4·0	303·7	310·2	15th, 29th	285·2	278·3	1st	294·4	−1·7	?294·4	2	− 17
1164	William Creek	28 55	136 21	76·2	..	1019·3	+4·9	304·1	311·6	29th	287·9	280·5	13th	296·0	+1·7	*295·8*	9	− 1
1165	Boulia	22 55	139 38	146	..	1015·5	+3·8	307·4	314·7	15th	289·7	283·6	19th	298·5	−0·7	..	6	− 6
1166	Mitchell	26 32	147 52	336	..	1018·1	+4·0	301·0	306·9	31st	286·3	282·9	21st	293·7	+0·2	..	43	+ 8
1167	Rockhampton	23 24	150 30	11·3	..	1020·3	+4·8	300·6	304·7	17th	290·4	286·4	4th	295·5	−1·4	..	145	+ 99
1168	Brisbane	27 28	153 2	41·7	..	1022·1	+6·2	298·4	303·6	28th	287·9	285·0	14th	293·2	−0·9	..	63	− 4
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	293·2	296·3	11th	288·4	284·7	7th	290·8	−0·3	..	30	− 67
		S.	E.															

OCTOBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	289·3	293·0	25th	283·8	281·3	21st	286·5	+0·2	*286·6*	80	+ 37
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1012·7	1017·5	−0·3	291·1	295·7	9th	283·5	280·7	4th	287·3	−0·4	*286·8*	105	+ 94
1222	Santiago	33 27	70 42	520	956·0	1016·7	+0·1	292·0	301·2	25th	281·4	276·7	4th	286·7	−0·3	*286·1*	72	+ 58
1222*a*	Concepcion	36 50	73 3	15	1015·4	1017·2	..	291·1	298·5	4th	281·8	276·0	3rd	286·5	..	*286·4*	78	..
1223	Cordoba	31 25	64 12	439	965·1	1016·1	−0·5	297·7	307·1	12th	283·3	275·4	4th	290·5	−0·1	290·0	39	− 21
1224	Bahia Blanca	38 45	62 15	20	1012·9	1015·3	+2·0	293·9	301·4	14th	283·4	277·5	4th	288·7	−1·8	*288·4*	125	+ 35
1225	Buenos Ayres	34 16	58 22	25·2	1013·4	1016·4	+0·2	293·1	300·0	1st	288·1	282·1	27th	290·5	−0·6	290·4	242	+161
1225*a*	Rio Grande	32 2	52 9	2	1013·7	1013·9	−0·1	292·9	305·3	14th	..	279·1	6th	..	+0·4	288·3	100	+ 34
1226	Montevideo	34 55	W56 13	24·9	..	1015·7	+1·1	..	299·7	14th	..	279·1	6th	..	+1·5	*289·6*	14	− 30
1239	Cape Town	33 56	E18 29	12	..	..	..	295·2	302·1	28th	286·1	282·6	27th	290·6	+1·5	*289·6*	14	− 30
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1017·4	+0·5	297·1	304·2	4th	286·4	280·8	24th	291·8	+2·7	..	37	− 17
1260	Katanning	33 42	117 35	310	..	1017·6	+1·9	297·2	308·2	5th	283·3	275·3	9th	290·3	+3·4	..	26	− 14
1261	Coolgardie	30 57	121 10	423	..	1017·3	+2·4	300·3	308·9	4th	286·7	280·8	24th	293·5	+2·9	..	43	+ 24
1262	Eucla	31 45	128 58	4·6	..	1020·0	+4·8	297·9	311·8	21st	286·8	281·2	1st	292·3	+2·3	..	7	− 11
1263	Streaky Bay	32 48	134 13	13·1	..	1021·8	+6·0	299·8	309·2	27th	286·2	278·8	12th	293·0	+3·1	..	16	− 8
1264	Adelaide	34 56	138 35	42·7	..	1022·9	+6·8	300·7	312·0	24th	287·0	279·5	12th	293·9	+4·3	*293·6*	4	− 40
1265	Melbourne	37 49	144 58	35·1	..	1023·8	+9·1	296·2	309·9	24th	282·9	273·4	16th	289·6	+2·4	*289·3*	7	− 59
1266	Bourke	30 13	145 58	110	..	1022·0	+7·1	302·2	311·6	28th	288·2	281·6	12th	295·2	+0·8	..	13	− 13
1267	Sydney	33 51	151 13	44·5	..	1024·3	+9·5	296·0	308·6	30th	287·1	283·4	13th	291·6	+1·1	..	191	+116
1268	Lord Howe Island	31 20	159 0	4·6	..	1024·5	..	294·6	298·1	27th	287·6	281·6	7th	291·1	..	..	274	+135
1271	Auckland	36 50	174 50	38·1	..	..	..	289·7	291·9	12th	282·6	279·7	30th	286·1	−0·9	..	29	− 61
1272	Napier	39 32	176 53	21·3	..	1018·1	+5·2	293·3	298·0	twice	281·4	275·2	1st	287·4	+0·2	..	5	− 49
		S.	E.															

OCTOBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	103·6	..	1017·0	..	285·8	291·3	10th	279·2	274·1	1st	282·5	−0·8	..	37	− 21
1302																		
1321	Isla Huafo	43 34	74 45	140	1002·0	1019·1	+1·0	284·9	293·1	25th	280·3	276·3	20th	282·6	+0·5	*282·6*	47	− 8
1322	Punta Galera	40 1	73 44	40	1009·9	1014·7	−3·9	287·8	292·7	24th	281·2	276·8	22nd	284·5	+1·1	*284·5*	70	− 37
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1021·6	+11·0	292·3	306·3	24th	281·2	275·1	18th	286·7	+1·5	*285·9*	10	− 47
1366	Launceston	41 27	147 10	10·1	..	1022·2	+10·8	294·6	303·1	24th	279·6	273·8	16th	287·1	+2·0	..	7	− 61
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·4	298·0	26th	278·1	272·4	16th	282·7	−0·7	..	120	+ 1
1371	Dunedin	45 52	170 31	91	..	1013·0	+4·4	289·9	301·3	25th	279·0	273·6	28th	284·4	+0·9	..	46	− 34
1371*a*	Christchurch	43 32	172 38	7·6	..	1015·0	+4·8	291·4	304·0	10th	278·3	270·9	19th	284·9	+0·2	..	26	− 16
1372	Wellington	41 16	174 46	2·4	..	1018·6	+7·0	289·3	293·6	twice	282·9	276·8	4th	286·1	+0·7	..	39	− 68
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

OCTOBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1005·0	1011·8	+ 7·1	282·6	282·9	sev. dates	277·0	272·2	31st	279·8	+0·2	*278·8*	153	— 93
1422	Puerto de Punta Arenas	53 10	70 54	4	1007·0	1007·5	+ 4·4	283·8	287·6	13th	275·4	271·5	3rd	279·6	+0·2	*279·8*	24	— 6
1423	Punta Dungeness	52 24	68 26	5	1006·8	1007·4	+ 3·9	282·9	286·0	16th	277·0	274·2	2nd	279·9	−0·7	*279·1*	6	— 4
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	995·0	1001·1	..	279·6	281·9	26th	275·3	270·0	31st	277·4	..	277·4	27	..
1425	Cape Pembroke	51 41	57 42	21	1001·6	1003·6	− 0·2	281·7	286·9	30th	274·5	271·9	3rd	278·1	−0·3	278·2	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	989·0	−11·6	277·4	283·3	31st	270·1	267·6	5th	273·8	−1·5	*273·5*	54	— 18
1467	Macquarie Island	54 30	158 57	9·1	..	991·9	− 0·8	277·3	..	..	272·8	..	..	275·1	..	..	130	..
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	6·7	980·1	981·0	−10·6	272·4	275·7	24th	261·2	254·3	20th	266·8	−1·7	267·2	33	+ 1
1528		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	..	150	135	135	(8·0)	NW 2	N 2	Calm ○	W 1	NE	..	NW 1	Calm ○	SE 2
2	160	150	150	150	8·8	NW 3	SW 3	NE 1	SW 1	Calm	..	NW 1	Calm ○	Calm ○
3	150	150	150	160	9·4	NW 2	W 3	E 1	W 1	Calm	..	S 2	S 1	SE 4
4	150	150	150	160	11·7	SW 3	SW 2	E 1	W 1	Calm	..	S 3	SW 2	SE 4
5	150	..	135	150	(12·9)	SE 3	SE 3	E 1	SW 1	E	..	SW 1	Calm ○	SE 5
6	150	160	160	160	7·5	SE 4	S 2	Calm ○	W 1	E	..	SW 2	Calm ○	SE 4
7	160	160	160	160	6·1	SE 2	S 2	Calm ○	W 1	SE	..	S 2	Calm ○	SE 3
8	160	150	150	150	7·1	E 2	E 2	E 1	Calm ○	NE	..	NW 1	Calm ○	NE 3
9	160	160	160	160	7·4	E 3	E 3	E 2	S 1	NE	..	NW 1	W 3	SE 4
10	160	160	170	160	3·7	E 2	E 2	E 1	SW 1	NE	..	W 2	W 2	SE 4
11	160	170	170	160	7·7	SE 2	NE 2	Calm ○	Calm ○	E	..	WSW 3	W 2	SE 4
12	160	150	160	150	9·6	S 2	E 2	E 1	Calm ○	NE	..	WNW 1	Calm ○	NE 3
13	150	150	150	135	8·6	W 2	SW 3	E 1	E 1	Calm	..	WSW 3	Calm ○	NE 4
14	160	150	160	150	9·3	E 3	E 4	Calm ○	Calm ○	Calm	..	SW 3	W 4	E 3
15	160	150	160	160	7·1	E 3	S 4	E 1	Calm ○	S	..	SW 3	SW 4	N 1
16	160	160	160	160	7·3	S 3	NW 2	Calm ○	Calm ○	Calm	..	SW 3	SW 3	E 2
17	160	160	160	160	6·5	W 3	SW 5	NE 1	Calm ○	NW	..	W 2	W 3	E 1
18	160	160	160	160	3·7	SE 3	SW 2	E 1	Calm ○	NW	..	S 4	SW 5	NE 2
19	150	150	135	150	3·9	SW 3	NW 3	E 1	E 1	N	..	SW 4	SW 3	NE 2
20	150	150	160	160	5·9	NW 2	W 3	E 1	W 1	N	..	SW 2	SW 3	NE 3
21	160	160	160	160	5·4	NW 2	NW 2	E 1	W 1	NW	..	WSW 4	W 3	E 2
22	150	150	150	160	5·4	NE 3	W 2	E 1	SW 1	NE	..	S 4	Calm ○	Calm ○
23	160	150	150	150	6·2	SE 3	Calm ○	Calm ○	SW 1	Calm	..	S 3	Calm ○	NE 2
24	150	160	160	160	6·2	SW 2	Calm ○	E 1	Calm ○	E	..	SSW 2	Calm ○	NE 2
25	150	150	150	160	9·0	SW 3	SW ?	E 1	Calm ○	E	..	WSW 1	W 1	SE 3
26	160	150	150	150	11·0	S 2	Calm ○	W 1	Calm ○	E	..	W 2	W 2	SE 3
27	160	160	150	150	10·3	N 2	NW 3	Calm ○	SW 1	Calm	..	WSW 1	W 2	Calm ○
28	150	150	160	160	8·4	SE 2	Calm ○	E 1	W 1	Calm	..	WSW 3	W 1	NE 3
29	160	150	160	160	8·6	SE 4	S 2	Calm ○	SW 1	Calm	..	W 2	Calm ○	Calm ○
30	160	160	160	160	8·6	SE 3	Calm ○	E 1	SW 1	Calm	..	W 2	NW 1	SW 2
31	160	160	160	160	9·1	N 2	N 3	E 1	Calm ○	Calm	..	N 1	N 1	S 2
Mean	156	155	155	155	7·8	2·6	2·1	0·7	0·6	..	..	2·2	1·5	2·5
Resultant†	155°			..	185° (12)		120° (15)		..		250° (59)		95° (57)	
Normal†	145°			..	133° (75)		261° (15)		85° (83)	136° (83)	115° (38)		100° (64)	

* Direction and velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1914.

**Iceland.*—"The coasts were free of ice."

North Atlantic and Labrador.—"No icebergs were seen south of 46° N., and the eastern limit was 48° W. Some were observed in Belle Isle Strait and vicinity."

**Spitsbergen.*—"Sea open along west coast."

**Davis Strait.*—"The entire west coast of Greenland was free from ice, but wasted 'storis' and much calf ice were observed off Cape Farewell."

* *Isforholdene i de arktiske Have. 1914* and *1915*, issued by the Danish Meteorological Institute.

RESEAU MONDIAL, NOVEMBER 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

NOVEMBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1001·5	1004·0	−5·0	..	..	..	259·8	254·2	30th	..	−1·2	*261·9*	83	+59
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	998·2	999·7	−7·8	..	273·9	21st	256·5	243·0	30th	..	..	260·0	21	..
140																		
141	Gjesvaer	71 6	25 22	6·5	998·3	999·1	−6·0	..	278·5	22nd	271·0	266·2	16th	..	+2·2	*273·7*	62	— 9
142	Mehavn	71 1	27 47	6·4	998·6	999·4	−4·1	..	277·6	5th	270·2	263·5	15th	..	+1·5	*272·6*	65	—11
143	Vardö	70 22	31 8	10·0	999·0	1000·3	−5·9	..	276·8	11th	269·6	263·0	27th	..	+1·6	*272·4*	38	—22
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

NOVEMBER—ZONE 2. Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1002·7	1003·5	−0·7	267·2	274·7	..	261·1	251·3	..	264·1	0·0	..	18	— 5
204	Candle	65 55	161 57	? 2·4	..	..	..	261·3	269·7	14th, 28th	253·4	243·0	23rd	257·4	..	..	..	..
205	Tanana	65 12	152 0	? 74	994·5	?1004·3	..	260·3	270·2	..	253·4	240·2	..	256·9	+2·6	..	16	+ 1
206	Rampart	65 30	150 15	? 122	..	..	..	259·5	268·6	6th	252·6	239·1	21st	256·1	..	..	2	—13
207	Valdez	61 6	146 13	3·1	1001·5	1001·9	−2·9	273·7	281·3	..	265·3	256·3	..	269·5	−0·2	..	79	—26
208	Eagle	64 46	141 13	250	975·6	1007·7	−2·1	264·5	276·9	..	257·2	245·8	..	260·9	+4·1	..	6	— 4
209	Dawson	64 4	139 20	328	967·5	1010·5	−1·7	262·1	275·2	3rd	256·4	244·1	24th	259·3	+3·5	..	18	—12
210	Carcross	60 11	134 34	662	..	..	..	270·4	278·6	2nd, 3rd	263·1	252·4	14th, 30th	266·7	+1·6	..	16	— 9
211																		
212	Fort Simpson	61 52	121 35	129	998·0	1015·2	..	261·1	270·2	1st	255·2	242·4	16th	258·1	+3·3	*258·2*	48	+25
213	Hay River	60 51	115 20	161	991·6	1012·6	..	265·9	274·7	19th	258·7	245·2	16th	262·3	+3·1	..	8	..
214	Fort Resolution	61 10	113 50	240	..	..	..	264·6	274·7	..	258·8	244·7	..	261·7	..	..	46	..
215	Jacobshavn	69 13	51 2	12·6	999·8	1001·4	−6·4	268·4	278·0	2nd	262·5	253·7	29th	265·5	+1·3	*265·5*	19	+ 3
216	Godthaab	64 11	51 44	9·0	995·9	997·1	−6·3	271·4	280·2	2nd	266·9	259·4	27th	269·1	+0·8	*268·9*	23	—24
229	Angmagsalik	65 37	37 34	31·7	998·6	1002·6	−0·7	270·1	277·9	6th	265·0	258·3	16th	267·5	−0·2	*267·9*	45	—46
230																		
231	Stykkisholm	65 5	22 46	11·3	1000·4	1001·9	−2·9	274·8	282·5	19th	269·8	262·5	12th, 13th	272·3	−1·3	*272·2*	57	— 6
232	Vestmanno	63 26	20 15	7·7	999·5	1000·5	−3·4	276·8	282·0	19th	271·9	264·9	12th	274·3	−1·5	*274·4*	79	— 53
233	Grimsey	66 33	17 58	22·0	1002·0	1002·9	−3·6	273·9	279·3	19th	269·4	261·6	12th, 13th	271·7	−1·4	*271·6*	2	—27
234	Berufjord	64 40	14 19	18·0	998·8	1001·1	−4·1	275·4	281·2	20th	269·3	261·1	12th	272·3	−1·1	*272·8*	96	—15
235	Thorshavn	62 3	6 45	25·7	999·9	1003·0	−2·9	279·3	284·0	8th, 9th	274·5	266·6	13th	276·9	−0·7	..	148	—18
236	Lerwick	60 9	W 1 8	18·0	1003·1	1005·2	−1·7	280·6	284·7	8th, 9th	277·1	271·3	13th, 14th	278·8	−0·1	..	160	+52
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·4	1006·9	−4·1	..	284·5	9th	274·7	269·9	18th	..	0·0	*277·0*	233	+27
238	Christiansund	63 7	7 45	17·8	1001·9	1004·0	−6·2	..	283·8	9th	275·0	269·7	13th	..	+0·5	*277·3*	141	+30
239	Trondhjem	63 26	10 25	39·5	1000·7	1005·6	−4·3	..	282·8	30th	270·0	262·8	15th	..	−0·5	*273·1*	38	—70
240	Bodö	67 17	14 24	20·5	1000·0	1002·6	−4·5	..	279·4	6th	271·6	267·0	17th	..	+0·8	*274·6*	117	— 9
241	Haparanda	65 50	24 9	9·2	1003·9	1005·1	−4·9	271·9	279·0	10th	265·8	255·0	19th	268·9	+1·1	*269·1*	47	0
242	Helsingfors	60 10	24 57	11·7	1010·0	1011·5	−2·5	275·1	280·3	10th	271·9	264·3	22nd	273·5	+0·2	*273·6*	45	— 17
242*a*	Kuopio	62 54	27 40	99·7	997·6	1009·1	−4·1	273·1	277·6	10th	268·8	262·0	22nd	271·0	+0·9	*271·2*	29	—18
243	Kola	68 53	33 1	6·7	..	1002·5	−5·8	..	278·7	7th	..	252·0	26th	..	+0·7	*269·0*	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1012·4	−1·0	..	277	..	..	259	..	..	+0·9	*270·7*	11	—29
245	Arkhangelsk	64 33	40 32	6·7	..	1009·6	−1·3	..	275	..	..	255	..	..	+1·3	*268·6*	11	—20
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1009·9	−3·5	..	275	..	..	243	..	..	+0·2	*263·4*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1012·6	−2·4	..	274·2	17th	..	245·0	11th	..	+2·8	*260·8*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1025·9	+2·0	..	265·7	11th	..	226·9	25th	..	−3·1	*248·8*	..	..
262	Iakoutsk	62 1	129 43	? 108	..	1023·0	−0·2	..	257·9	9th	..	225·6	27th	..	−2·6	*241·6*	..	..
263	Verkholansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Malskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	1007·4	1010·8	−1·7	..	277·5	12th	248·6	224·1	29th	255·1	+0·8	..	6	— 5
272	Novo-Mariinskii Post	64 45	177 33	5·2														
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1004·2	1004·7	+1·3	278·3	281·9	13th	273·2	268·6	18th	275·7	+1·0	..	206	+13
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	277·6	281·3	1st	272·3	261·9	22nd	274·9	..	..	153	+18
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1000·3	1003·6	−1·5	280·6	284·7	..	274·8	267·4	..	277·7	+1·0	..	224	−13
310	Prince Rupert	54 18	130 18	52	999·3	1006·4	−0·4	280·1	284·1	21st	275·9	269·7	30th	278·0	−0·1	..	303	− 5
311	Barkerville	53 2	121 35	1274	863·9	1011·8	−1·0	273·3	280·8	24th	266·7	254·1	16th	270·0	+1·7	*270·0*	115	+32
312	Kamloops	50 41	120 29	380	973·6	1015·6	+0·6	279·1	286·3	25th	273·3	264·0	16th	276·2	+1·1	*276·1*	26	− 1
313	Calgary	51 2	114 2	1033	890·6	1012·8	−1·8	278·4	287·4	1st	267·6	249·7	16th	273·0	+3·1	*273·0*	69	+50
314	Fort Chipewyan	58 42	111 10	218	985·6	1013·4	..	268·8	286·9	19th	261·3	247·4	18th	265·1	+3·7	*265·3*	17	− 6
315	Prince Albert	53 10	106 0	437	958·7	1012·5	−1·8	270·0	280·2	1st, 3rd	264·9	248·6	17th	267·5	+2·0	*267·1*	28	+ 3
316	Qu'Appelle	50 30	103 47	645	935·3	1012·8	−2·8	274·6	286·9	2nd	265·2	243·3	19th	269·9	+2·6	*269·2*	27	+ 2
317	Minnedosa	50 15	99 50	515	951·9	1015·2	−2·0	273·3	288·6	2nd	263·4	243·2	19th	268·3	+1·0	*267·7*	47	+22
318	Berens River	52 18	97 23	216	..	..	..	272·6	281·3	1st	261·6	247·4	18th, 19th	267·1	+0·7	*266·5*	52	+21
318a	York Factory	57 0	92 28	16·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1013·4	1014·6	−0·3	269·0	279·7	1st	260·3	254·1	18th	264·7	−3·5	..	46	− 2
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1006·7	1009·9	..	265·4	274·7	17th	257·0	248·6	29th	261·2	..	..	23	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	281·3	21st	..	260·8	28th, 29th	271·6	−1·6	..	6	−77
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1008·9	1010·6	−2·0	284·2	286·9	8th	279·1	273·6	22nd	281·6	0·0	282·0	127	−11
335	Aberdeen	57 10	2 6	26·8	1003·9	1007·2	−2·4	281·5	286·9	9th	277·1	270·2	15th	279·3	+0·7	279·4	93	+16
336	Greenwich	51 28	W 0 0	48·5	1006·3	1012·3	−2·1	283·6	289·7	6th	277·4	271·3	19th	280·5	+1·1	280·4	68	+10
337	Uccle	50 48	E 4 22	100	1001·5	1013·9	−1·0	281·0	289·8	2nd	275·0	265·2	23rd	278·0	−0·9	278·1	63	− 7
338	De Bilt	52 6	5 11	3·0	1012·6	1013·0	−1·6	281·4	288·8	4th	275·1	267·3	20th	278·3	+0·4	278·1	60	0
338a	Hamburg	53 33	9 59	40	1007·5	1012·4	−2·4	279·2	285·6	30th	276·2	270·5	24th	277·7	+0·3	277·7	71	+19
339	Copenhagen	55 41	12 36	5·0	1010·8	1011·4	−1·9	278·9	284·7	9th	275·6	270·2	20th	277·3	+0·3	277·7	47	− 1
340	Potsdam	52 23	13 14	84·9	1003·5	1014·1	−1·4	278·8	283·5	10th	274·3	268·1	22nd	276·5	−0·1	276·3	21	−18
340a	Upsala	59 51	17 38	24·0	1007·2	1010·2	−2·5	275·4	284·8	10th	270·3	260·7	19th	272·9	+0·2	273·1	19	−23
341	Warsaw	52 13	21 2	120	..	1015·9	−1·1	..	282	..	..	261	..	..	−1·1	*273·7*	8	−30
342	Jurjev	58 23	26 43	74·5	1004·4	1013·9	+0·9	273·7	280·7	10th	269·8	263·0	25th	271·8	−0·6	271·8	22	−19
343	Petrograd	59 56	30 16	4·8	..	1013·1	−0·9	..	279	..	..	262	..	..	+0·4	*272·0*	23	−13
344	Kiev	50 27	30 30	182·9	..	1019·0	0·0	..	280	..	..	256	..	..	−3·0	*271·0*	52	+15
344a	Moscow	55 46	37 40	156	..	1016·6	−3·3	..	279	..	..	255	..	..	−2·1	*268·5*	44	+ 1
345	Saratov	51 32	46 3	59·9	..	1019·1	−2·6	..	278	..	..	255	..	..	−3·6	*267·8*	14	−22
346	Kazan	55 47	49 8	79·8	1006·0	1016·3	−3·1	..	278	..	..	255	..	..	−1·7	267·4	20	−10
347	Orenburg	51 45	55 6	114·1	..	1018·8	−4·5	..	275	..	..	247	..	..	−3·2	*265·5*	..	..
348	Perm	58 1	56 16	163·0	..	1014·6	−4·0	..	276	..	..	248	..	..	−0·2	*266·0*	38	−14
349	Ekaterinburg	56 50	60 38	288·9	..	1016·0	−4·4	..	277	..	..	247	..	..	−1·0	*264·6*	47	+28
350	Tobolsk	58 12	68 14	108	..	1015·1	−3·0	..	274·7	14th	..	247·5	11th	..	−0·4	*262·6*	10	−17
351	Akmolinsk	51 12	71 23	? 347	..	1023·9	−3·9	..	277·2	2nd	..	246·0	11th	..	−1·9	*263·8*	..	..
352	Omsk	54 58	73 23	90	..	1020·5	−2·6	..	274·5	3rd	..	251·0	28th	..	−0·3	*263·2*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1026·0	−2·0	..	276·3	23rd	..	238·7	1st	..	−0·6	*263·9*	..	..
354	Tomsk	56 30	84 58	121·6	..	1022·6	−1·6	..	274·5	4th	..	246·2	30th	..	+2·7	*264·5*	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1023·9	0·0	..	271·6	19th	..	247·6	24th	..	+1·1	*261·4*	43	+12
357	Irkutsk	52 16	104 19	467	..	1029·6	+1·0	..	277·8	9th	..	242·7	25th	..	−0·6	*261·7*	43	+27
358	Kirensk	57 47	108 7	? 263	..	1029·0	+4·7	..	272·1	21st	..	233·0	24th	..	−5·0	*253·2*	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1027·5	+2·8	..	270·4	19th	..	239·0	27th	..	−2·0	*255·6*	..	..
361	Tygan Ourkan	54 5	124 46	? 359	974·4	1022·1	..	..	268·4	12th	247·4	235·4	29th	..	..	*253·6*	5	..
362	Blagoveshchensk	50 15	127 31	133·6	1003·6	1021·4	+1·1	..	274·1	11th	254·9	243·0	26th, 27th	..	−1·7	*259·5*	8	+ 3
363	Paikanskii Sklad	50 11	130 7	? 145	1001·0	1020·5	..	..	274·0	14th	249·7	233·2	26th	..	..	*257·2*	9	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·6	1012·4	+0·5	..	274·6	7th	256·9	240·9	27th	..	−1·6	*261·6*	32	0
366	Okhotsk	59 21	143 17	6·0	1008·7	1009·5	−3·5	..	271·8	8th	253·6	242·2	30th	..	−2·0	*256·3*	0	− 6
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	995·8	1006·9	+5·8	..	277·4	2nd	267·2	259·4	29th	270·3	−0·4	..	72	−33
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·5	1016·1	+0·6	282·1	285·3	1st	278·3	273·7	13th	280·2	+0·6	280·2	148	− 16
412	Portland, Oregon	45 32	122 41	46·6	1013·8	1019·3	+0·7	284·4	290·8	4th	278·3	273·6	19th	281·3	+0·5	*281·1*	94	− 72
413	Macleod	49 44	113 24	954	..	..	..	279·7	288·0	26th	269·3	246·9	16th, 17th	274·5	+2·7	*274·4*	42	+ 28
414	Helena	46 34	112 4	1253	874·6	1018·9	−1·1	281·9	289·7	1st	271·9	258·0	16th	276·9	+3·6	*276·6*	7	− 11
414a	Salt Lake City	40 46	111 54	1329	872·2	1022·3	+2·1	285·0	295·2	5th	273·7	268·6	15th	279·3	+1·5	*279·1*	9	− 26
415	Cheyenne	41 8	104 48	1856	814·7	1020·0	+1·2	285·5	294·1	5th	270·9	255·8	16th	278·2	+2·8	*277·4*	7	− 4
416	North Platte	41 8	100 45	859	919·8	1021·0	+1·9	288·9	299·7	6th	270·1	262·4	16th	279·5	+3·0	*277·7*	0	− 10
416a	Bismarck	46 47	100 38	510·6	959·6	1018·9	+0·2	281·1	292·4	1st	267·8	250·2	19th	274·5	+3·9	*273·6*	11	− 4
417	Winnipeg	49 53	97 7	231·6	986·1	1015·6	−1·1	273·8	285·7	2nd	265·4	248·0	17th	269·6	+2·8	*268·9*	18	− 6
418	Duluth	46 47	92 6	345·1	973·8	1016·2	−0·9	275·6	285·2	3rd	268·1	253·0	19th	271·9	−0·6	*271·6*	29	− 3
419	Port Arthur	48 27	89 12	196·3	989·8	1014·5	−1·3	275·9	283·6	26th	267·0	251·3	17th	271·5	+1·6	*271·4*	29	− 8
420	Chicago	41 53	87 37	250·9	987·8	1018·3	+0·4	283·8	294·7	1st	275·9	261·9	20th	279·9	+2·6	*279·6*	8	− 52
421	Toronto	43 40	79 24	115·5	1002·0	1016·5	−0·3	280·4	289·7	3rd	272·3	262·3	23rd	276·4	+1·0	275·8	72	− 3
422	New York (Central Park)	40 46	73 58	29·6	1014·7	1018·3	+0·5	284·0	297·4	4th	275·8	267·4	24th	279·9	+0·2	280·0	84	+ 5
423	St. John, N.B.	45 17	66 4	? 22	1010·8	1015·6	+1·7	278·9	286·7	2nd	270·6	260·7	19th	274·8	−0·8	*274·9*	94	− 18
424	S. W. Point, Anticosti	49 24	63 35	9·1	1009·5	1010·8	−0·4	273·3	278·6	16th	266·1	256·3	18th	269·7	−2·5	..	56	− 15
425	Sable Island (Main Station)	43 57	60 6	7·6	1016·6	1017·6	+3·2	281·6	286·9	20th	275·8	269·7	19th	278·7	−1·2	..	157	+ 13
426	St. Johns, Newfoundland	47 34	52 42	38·1	1005·7	1010·5	−0·9	278·7	288·0	17th	272·4	265·2	20th	275·6	−0·5	..	175	+ 30
435	Madrid	40 24	3 41	655·4	938·6	1015·9	−2·8	286·4	292·4	15th	275·2	271·1	26th, 27th	280·8	−0·9	280·0	81	+ 31
436	Nantes	47 15	W 1 34	41·4	1009·7	1014·8	−1·9	283·1	290·8	3rd	277·3	270·3	19th	280·2	−0·3	280·2	48	− 32
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·6	1014·8	−1·6	282·4	291·0	2nd	275·3	268·0	24th	278·8	−0·2	278·6	34	− 15
438	Marseilles	43 18	5 23	75	1002·8	1012·0	−2·8	286·9	292·4	7th	279·1	272·8	19th	283·0	−0·3	*282·6*	43	− 50
438a	Zürich	47 23	8 33	493·2	957·0	1016·8	−2·2	279·4	287·6	5th	273·6	265·8	20th	276·5	−0·4	276·2	47	− 22
439	Rome	41 54	12 28	50·6	1004·8	1010·7	−5·4	287·9	293·4	4th	280·6	274·2	30th	284·3	−0·4	*284·0*	107	− 9
440	Vienna	48 15	16 22	202·5	991·0	1016·4	−1·7	278·6	286·3	3rd	274·8	265·8	27th	276·7	+0·1	276·6	27	− 14
440a	Buda-Pesth	47 30	19 2	129	1001·2	1017·3	−0·3	279·4	288·5	5th	274·0	265·8	23rd	276·7	−0·9	276·3	7	− 46
441	Bucharest	44 25	26 6	82	1007·4	1017·5	−2·1	279·3	285·9	5th	273·2	265·1	24th	276·3	−1·3	276·0	10	− 35
442																		
443	Odessa (University)	46 29	30 44	65	..	1018·3	−2·0	..	285	..	..	263	..	..	−4·0	*273·7*	41	+ 7
444	Kharkov (University)	50 0	36 14	140	..	1019·2	−2·2	..	282	..	..	258	..	..	−3·4	*270·0*	42	+ 4
444a	Novorossiisk	44 44	37 49	37	..	1015·0	−5·2	..	290	..	..	266	..	..	−4·0	*277·5*	28	− 41
445	Tiflis	41 43	44 48	409	..	1017·5	−6·0	..	289	..	..	270	..	..	−2·3	*278·2*	52	+ 20
446	Astrakhan	46 21	48 2	−14	..	1020·4	−3·4	..	282	..	..	255	..	..	−5·1	*270·7*	41	+ 30
447	Fort Alexandrovsk	44 31	50 16	24	..	1018·3	−5·2	..	285·8	20th	..	266·1	8th	..	−2·5	*275·6*	..	..
448	Krasnovodsk	40 0	52 59	−15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Tachkent	41 20	69 18	478·3	..	1021·6	−4·1	..	293·6	2nd, 24th	..	270·0	5th, 6th	..	+1·1	*280·7*	..	..
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1018·4	1024·0	−0·8	273·4	285·8	1st	264·5	257·3	27th	268·9	−2·1	269·3	95	+ 72
462	Joshin	40 40	129 11	4·0	1018·6	1019·1	−1·4	281·9	289·9	1st	273·9	261·6	28th	277·9	−1·1	277·7	81	+ 31
463	Vladivostok	43 7	131 55	26·8	1017·4	1020·8	−0·8	..	286·3	1st	267·9	255·4	27th	..	−1·1	*271·1*	108	+ 87
464																		
465	Ochiai	47 20	142 44	6·6	1013·0	1013·9	+0·5	275·2	288·3	1st	267·3	254·2	28th	271·3	+1·0	271·5	113	+ 34
466	Nemuro	43 20 N.	145 35 E.	26·7	1012·8	1016·1	+2·2	282·7	289·1	4th	274·7	265·1	29th	278·7	+1·8	279·0	145	+ 66

Between Latitude 40° N. and 30° N.

NOVEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm	mm.
511	San Francisco	37 48	122 26	47·2	1012·7	1018·6	−0·4	292·3	298·0	9th	283·7	280·2	30th	288·0	+1·2	*287·3*	18	− 42
512	San Luis Obispo	35 18	120 39	61·3	1010·2	1017·6	−0·8	297·9	305·2	3rd	281·3	275·8	22nd	289·6	+2·6	*289·0*	3	− 38
513	Modena	37 48	113 54	1670	837·2	1021·7	+2·7	287·4	295·2	4th	265·7	258·6	30th	276·5	−0·1	*275·3*	0	− 13
514	San Diego	32 43	117 10	26·5	1011·9	1014·9	−1·4	295·5	304·7	8th	286·5	281·3	30th	291·0	+2·7	*290·7*	22	+ 2
515	Santa Fé	35 41	105 57	2138	789·7	1020·0	+2·2	285·9	290·2	4th	272·4	268·6	19th	279·1	+1·8	*278·2*	0	− 19
516	Denver	39 45	105 0	1613	839·7	1019·6	+1·5	289·1	296·9	5th	272·7	263·6	16th	280·9	+3·7	*280·6*	8	− 6
517	Abilene	32 23	99 40	529·6	958·0	1020·0	+1·3	291·7	298·6	5th	280·3	271·3	17th	286·0	+0·8	*285·2*	88	+ 53
518	Saint Louis	38 38	90 12	173·1	999·3	1020·0	+0·6	288·1	299·7	6th	278·2	262·4	19th	283·2	+3·4	*282·7*	39	− 30
519	Mobile	30 41	88 2	17·4	1017·6	1019·6	−0·2	292·8	300·8	5th	283·2	270·8	20th	288·0	+0·5	*287·7*	260	+167
520	Nashville	36 10	86 47	166·4	1002·0	1022·3	+1·8	289·0	299·1	6th	276·6	260·8	20th	282·8	+0·6	*282·9*	54	− 35
521	Charleston	32 47	79 56	14·6	1018·9	1020·6	+0·4	291·5	299·1	5th	282·3	270·2	21st	286·9	−0·7	*286·8*	59	− 5
522	Washington	38 54	77 3	34·1	1016·1	1020·3	+0·8	286·2	299·1	4th	274·7	266·3	24th	280·4	+0·1	*280·3*	52	− 11
523																		
524	Bermuda	32 18	64 46	46·0	1014·4	1019·8	+2·6	296·1	298·2	4th	290·0	288·0	24th, 25th	293·1	−0·1	..	26	− 98
531	Horta	38 32	28 38	28	1017·1	1020·0	+0·9	291·0	294·0	2nd	287·9	283·9	17th	289·5	−0·8	*289·1*	141	+ 12
532	Ponta Delgada	37 44	25 40	17	1017·8	1019·0	−0·1	290·9	293·0	2nd, 9th	287·2	283·6	22nd	289·0	−0·3	*288·8*	143	− 32
533	Madeira (Funchal)	32 37	16 54	25	1012·9	1015·8	−2·5	293·8	297·2	3rd	288·3	283·9	23rd	291·1	−0·3	*291·0*	333	+203
535	Lisbon	38 43	9 9	95	1003·3	1014·8	−2·9	289·0	292·9	12th	284·0	280·4	26th	286·5	−0·3	*286·3*	50	− 65
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6	5 21	16·2	1012·4	1014·3	−2·3	290·6	294·1	12th	285·0	279·1	28th	287·8	−0·6	*288·0*	275	+114

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	972·9	1013·4	−3·7	289·1	297·7	21st	284·2	281·3	20th	286·7	−0·5	286·5	154	+ 67
538	Palma	39 34	2 38	23	1010·3	1013·0	−3·4	290·1	292·8	1, 4, 7,	283·6	279·4	20th	286·9	−1·1	..	85	+ 30
538a	Tunis	36 48	10 10	33	..	1010·8	−5·4	292·9	302·0	22nd	284·4	280·0	20th	288·7	+0·4	*288·2*	27	− 21
539	Malta	35 54	14 31	58·8	..	1013·7	−3·8	293·0	297·0	1st	287·4	283·5	29th	290·2	0·0	..	89	+ 8
540	Riposto	37 41	15 14	14·2	..	1011·4	−5·3	290·7	294·8	4th	285·9	282·3	29th	288·3	−0·7	*287·9*	149	+ 41
541	Athens	37 58	23 43	107·1	999·2	1012·1	−4·8	288·6	294·8	1st	282·8	276·2	30th	285·7	−1·5	285·5	112	− 6
542	Alexandria	31 9	29 54	32·0	1010·6	1014·4	−3·5	297·4	304·1	1st	288·7	284·4	16th	293·1	−0·4	*292·0*	29	
543	Cairo (Helwan)	29 52	31 20	115·6	1001·9	1015·6	−2·7	297·7	306·7	1st	287·4	283·2	29th	292·5	+0·5	*291·6*	2	− 1
544	Nicosia	35 11	33 22	152	..	1011·7	−5·4	296·4	301·9	1st	283·3	276·9	30th	289·9	+1·5	..	41	− 14
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Lenkoran	38 46	48 52	−19	..	1017·4	−4·8	..	287	..	..	274	..	..	−3·2	*280·8*	337	+183
547	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	905·8	1015·7	..	288·3	297·7	2nd	274·1	267·4	6th	281·2	−1·1	..	31	+ 16
549	Quetta	30 11	67 3	1677	835·6	..	−2·3	290·2	293·7	14th	276·8	274·5	23rd	283·5	+0·8	*283·2*	49	+ 42
550																		
551	Lahore	31 34	74 20	214·0	991·4	1014·6	−1·3	299·3	302·0	13th	285·3	281·4	29th	292·3	+0·4	*291·3*	9	+ 8
551a	Simla	31 7	77 8	2205	783·6	..	−0·5	286·0	288·8	13th	280·0	276·4	15th	283·0	−0·3	*282·7*	28	+ 17
552	Leh	34 10	77 42	3503	668·8	..	−1·0	281·3	285·2	9th	267·5	263·2	24th	274·4	+0·2	*273·3*	1	0
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	5	− 3
559	Hang Kow	30 35	114 17	37·0	1018·9	1023·4	−2·2	288·8	297·1	1st	281·7	275·2	21st	285·3	+0·4	*285·2*	69	+ 16
560	Tiensin	39 10	117 10	5·0	1023·5	1024·1	−1·8	281·0	287·8	1st	274·0	270·3	7th	277·5	−0·5	*277·2*	48	+ 35
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1022·3	−1·6	291·2	302·8	3rd	280·9	271·9	22nd	286·1	+0·9	285·0	121	+ 72
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1022·2	−0·5	284·2	294·5	2nd	276·0	266·6	28th	280·1	−0·1	279·9	58	+ 18
562a	Nagasaki	32 44	129 52	133·0	1004·6	1020·7	+1·0	290·1	297·7	3rd	283·0	274·2	29th	286·6	+0·7	286·3	145	+ 62
563	Kioto	35 1	135 44	42·9	1015·2	1020·4	+1·4	291·2	298·6	4th	279·1	271·6	29th	285·2	+2·5	284·8	27	− 50
564	Tokio	35 41	139 45	21·3	1016·6	1019·2	+2·5	290·1	296·9	5th	280·7	271·4	29th	285·4	+1·8	284·9	54	− 45
565	Miyako	39 38	141 59	30·4	1014·6	1018·3	+1·6	290·0	299·8	15th	277·1	267·7	29th	283·5	+2·7	282·8	24	− 45
566																		
		N.	E.															

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1015·2	1016·5	+0·3	299·2	301·3	..	294·1	291·3	..	296·7	+0·1	..	37	− 62
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1017·2	1019·3	0·0	292·5	296·9	3rd	288·1	280·2	20th	290·3	+0·3	*290·5*	233	+139
618	New Orleans	29 58	90 4	15·5	1017·1	1018·9	−0·6	292·9	300·8	8th	285·6	274·1	20th	289·2	+0·2	*289·1*	118	+ 32
619	Havana	23 8	82 22	24·3	..	1016·1	+0·1	300·3	303·3	15th	293·4	287·5	22nd	296·9	+0·4	*296·9*	81	+ 1
620	Key West	24 33	81 48	6·7	1015·8	1016·6	−0·3	298·1	302·4	15th	293·4	285·8	21st	295·7	−1·1	*295·4*	59	+ 2
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·5	+1·6	298·7	301·6	5th	294·7	289·7	21st	296·7	−0·5	..	259	+187
622																		
633	La Laguna	28 28	16 20	547	951·6	1014·8	−4·1	291·3	294·8	6th	284·9	279·9	26th	288·1	−0·6	..	131	+ 43
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	285·5	291·1	7th	271·0	264·3	5th	278·3	−0·7	..	146	+ 74
637	Insalah	27 8	E 2 27	280	..	..	..	299·1	305·0	20th	283·6	278·0	27th, 29th	291·3	−1·8	*290·8*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	303·9	311·0	3rd	285·1	279·3	19th	294·5	+2·1	*294·5*	..	..
643	Tor	28 13	33 37	1·9	1013·1	1013·2	−1·9	299·5	304·2	2nd	287·7	282·6	19th	293·6	+0·5	*293·1*	..	..
644	Aswan	24 2	32 53	99·6	1003·1	1014·7	−1·2	304·5	310·5	14th	289·8	286·2	30th	297·1	+1·3	*296·2*	..	..
647	Bushire	28 59	50 53	4·3	1013·7	1014·2	−3·4	298·8	303·9	5th	290·5	288·1	20th	294·7	+0·5	..	83	+ 43
648	Jask	25 44	57 47	4·0	1014·4	1014·7	−0·4	301·9	304·3	17th	294·9	293·3	25th	298·4	+0·8	..	6	− 2
649	Kurrachee	24 53	66 57	4·0	1015·1	1015·6	−1·0	303·7	307·3	7th	295·2	292·4	28th	299·5	+2·4	*299·2*	1	0
650	Hyderabad, Sind	25 24	68 18	29·3	1011·9	1015·3	−0·5	304·1	308·1	15th	291·9	288·0	27th	298·0	+1·7	..	0	− 2
651	Jaipur	26 56	75 52	436·5	966·4	1013·3	−0·9	303·2	308·0	4th	287·7	282·5	29th	295·4	+0·7	*294·4*	3	− 15
652	Nagpur	21 8	79 5	310·2	980·0	1015·4	−1·3	303·8	306·3	11th	289·8	284·4	29th	296·8	+1·3	*296·5*	2	− 8
653	Allahabad	25 25	81 51	94·1	1004·5	1015·5	+0·8	302·6	306·1	3rd	287·1	283·1	24th	294·8	+1·1	*293·9*	0	− 14
654	Calcutta	22 36	88 23	6·4	..	1012·6	−0·7	302·3	304·9	5th, 6th	290·7	287·8	26th	296·5	+0·7	*296·1*	0	− 14
655	Gauhati	26 8	91 41	59·7	1009·3	1016·3	−0·4	300·4	302·3	6th	288·3	284·7	24th, 29th	294·3	−0·4	..	21	+ 7
655a	Cherrapunji	25 15	91 42	1314	870·8	..	−0·8	292·6	293·9	5th	284·6	282·5	17th	288·6	−0·4	..	0	− 74
656	Shillong	25 33	91 48	1500	852·4	..	−0·6	292·2	294·6	29th	280·4	278·9	11th, 26th	286·3	−0·3	..	15	− 28
656a	Akyab	20 11	92 56	6·1	1012·8	1013·5	−0·3	301·7	304·7	3rd	293·5	290·5	8th, 13th	297·6	−0·9	*297·2*	164	+ 63
657	Phu Lien	20 48	106 37	115·6	1002·6	1016·2	−1·1	298·1	304·1	2nd	291·9	288·0	24th	295·0	+0·4	294·5	207	+143
658	Moncay	21 31	107 51	9	1015·6	1016·7	−1·1	298·5	303·1	1st	289·3	283·0	29th	293·9	−0·1	*293·1*	69	+ 13
659																		
660	Hong Kong	22 18	114 10	33·2	1012·8	1016·7	−0·9	296·1	300·7	3rd	292·1	288·0	29th	294·1	+0·4	294·1	224	+188
661	Taihoku, Formosa	25 2	121 31	9·3	1017·2	1018·3	−0·3	296·5	305·7	3rd	290·4	286·1	21st	293·5	+0·3	293·0	169	+ 91
662	Naha	26 13	127 41	10·5	1016·2	1017·5	+1·3	297·5	303·5	4th	291·4	287·4	29th	294·5	+0·4	294·1	494	+344
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·6	..	−0·1	292·4	295·1	13th	282·0	278·2	20th	287·2	+0·7	287·4	49	+ 39
718a	Oaxaca	17 4	96 44	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	1·9	..	..	..	..	302·4	..	..	289·1	..	..	..	..	470	+168
720	San Salvador	13 44	89 9	657	939·1	1012·3	+1·2	..	309·5	..	..	285·4	..	295·9	+0·5	..	36	− 15
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·8	−0·5	302·7	304·4	12th	295·1	292·8	28th	298·9	0·0	*298·3*	117	+ 35
722	Port au Prince	18 34	72 22	37·4	1008·5	1012·8	+0·4	303·3	305·5	7th	294·9	293·2	2nd	299·1	−0·4	298·6	189	+111
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·2	1011·9	−0·1	302·6	304·5	10th	298·0	296·0	1st	300·3	+0·6	..	175	+ 21
724	Grenada (Richmond Hill)	12 5	61 46	155·1	993·0	1010·8	0·0	301·8	303·6	13th	296·9	295·2	4, 17, 19	299·3	0·0	*298·7*	197	− 11
725	Barbados	13 8	59 36	55·2	..	1012·2	0·0	302·2	303·7	13th	297·9	294·3	19th	300·1	+1·2	*299·9*	97	− 58
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·2	1013·4	−0·3	299·4	301·8	21st	294·7	293·0	21, 25, 26	297·0	−0·5	*297·5*	3	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·3	1014·2	+0·4	300·7	304·0	17th	296·5	294·0	24th	298·6	+0·2	*298·6*	9	− 3
733	Bathurst	13 24	16 36	1·5	..	1012·9	+0·8	302·2	305·2	8th, 29th	292·5	288·6	19th	297·3	−1·9	..	10	+ 3
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·7	311·9	4, 6, 8	292·6	285·8	1st	301·2	+0·7	..	20	+ 15
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	300·4	..	..	4	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	307·9	311·5	23rd	292·1	284·8	16th	300·0	+0·2	*299·5*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	312·2	313·6	5, 20, 23	293·2	288·6	26th	302·7	+2·8	..	0	0
738	Kaduna Junction	10 50	7 25	640	..	..	..	306·1	308·6	21st	290·1	282·4	26th	298·1	+1·3	..	4	+ 3
739	Maiduguri	11 47	13 11	361	..	..	..	313·1	314·7	10th	291·9	288·6	2nd	302·5	+2·9	..	0	0
740	Katagum	11 29	10 22	30·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
742	El Obeid	13 11	30 14	585	946·8	1011·7	−1·8	309·8	311·2	2nd	288·2	285·2	24th	299·0	+0·2	*297·6*	0	0
743	Khartoum	15 37	32 33	390	967·7	1011·2	−0·2	309·3	312·8	16th	293·8	289·8	25th	301·5	+1·0	*300·8*	0	0
744	Port Sudan	19 37	37 13	5·9	1011·3	1011·9	−0·1	303·9	305·7	15th	297·3	294·6	27th	300·6	+0·3	*300·2*	20	− 27
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	302·1	303·6	1st	299·1	296·9	24th	300·6	+0·8	*300·0*	0	− 2
746	Aden	12 45	45 3	28·7	1011·2	1014·5	−0·8	302·2	303·9	19th	297·4	296·1	24th	299·8	+0·2	*299·2*	0	− 3
751	Bombay	18 54	72 49	11·3	..	1011·3	−0·6	305·3	307·0	12th	297·6	295·1	25th	301·4	+1·6	*300·9*	5	− 5
752	Bangalore	12 59	77 38	920	911·6	1008·9	−0·2	300·4	301·9	16th	289·7	286·1	23rd	295·1	+0·6	*294·5*	34	− 38
752a	Kodaikanal	10 14	77 28	2343	771·5	..	−0·4	290·3	293·3	12th	282·7	279·1	24th	286·5	+0·6	*286·5*	190	+ 3
753	Madras	13 4	80 14	6·7	..	1011·4	−0·3	302·7	303·7	10th	295·8	291·4	23rd	299·2	+0·3	*298·7*	298	− 33
754	Waltair	17 45	83 16	68·9	1006·6	1014·5	+0·1	302·8	304·6	23rd	295·4	290·9	19th	301·7	+1·0	*301·3*	184	− 68
755	Port Blair	11 40	92 40	17·7	1009·4	1011·4	−0·7	304·4	305·8	8th	298·9	296·5	30th	299·9	+0·3	*299·0*	82	+ 22
756	Rangoon	16 46	95 48	5·5	1012·4	1012·9	−0·5	304·0	306·0	3rd	295·8	292·7	30th	300·9	+1·3	..	177	+ 61
757	Saigon	10 46	106 42	11·2	1009·0	1010·2	−0·1	305·5	306·7	23rd	296·2	294·7	30th	299·3	+0·6	..	343	− 35
758	Nhatrang	12 16	109 12	3·7	1011·2	1011·7	−0·2	302·8	304·1	24th	295·7	293·8	29th	299·3	+0·6	300·6	22	− 24
759	Bolinao	16 24	119 53	9·7	..	1011·0	+1·3	306·2	307·5	8th	296·1	294·4	1st, 30th	301·1	+0·6	300·0	22	− 24
760	Vigan	17 34	120 23	14·7	..	1011·0	+0·8	305·2	306·5	1st	296·2	294·7	21st, 29th	300·7	+0·3	300·1	0	− 37
761	Manila	14 34	120 59	14·2	..	1011·3	+1·3	305·3	306·7	26th	294·5	292·7	18th	299·9	+0·1	299·0	41	− 89
762	Ormoc	11 0	124 36	5·6	..	1010·3	+1·6	304·7	306·3	8th	294·8	293·4	8th	299·7	+0·6	299·3	89	−113
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·6	304·4	18th	297·1	?294·8	10th	299·9	−0·1	..	114	− 82
		N.	E.															

NOVEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	307·5	311·0	4th	298·6	297·2	28th	303·1	+1·8	*301·7*	172	+ 99
819	Culebra	9 10	79 40	123·1	..	..	..	..	..	..	..	..	..	..	..	..	197	−118
819a	Colon	9 23	79 23	7·6	..	1010·8	+0·3	301·9	303·0	2nd	297·4	296·3	1st	299·6	+0·3	..	466	− 76
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	215	+ 79
822	Caracas	10 31	66 56	1025	896·1	..	−1·8	..	..	..	..	..	..	292·6	−0·1	..	47	− 37
823	El Peru, Guayanavieja	7 30	62 0	? 300	984·2	..	..	303·6	305·0	24th	295·0	292·8	3rd	299·3	..	..	31	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1011·7	+1·1	303·2	304·1	1st, 6th	295·7	293·6	18th	299·4	−0·5	..	122	− 24
826	Paramaribo	5 49	55 9	4	..	1012·7	+1·1	..	..	..	..	..	..	300·1	0·0	*299·8*	89	− 52
826a	Cayenne	4 56	52 21	6	..	..	..	304·1	306·2	4th	296·7	294·4	29th	300·4	−0·2	*300·9*	176	+ 59
834	Conakry	9 31	13 43	16	1009·3	1011·1	−0·1	303·7	305·2	..	296·2	293·0	..	299·9	−0·3	*300·2*	99	− 17
835	Freetown, Sierra Leone	8 30	13 9	68·3	1003·8	1011·7	+0·6	304·3	305·6	25th	296·6	294·7	4th	300·5	+0·2	..	201	+ 66
836	Cape Coast Castle	5 5	1 13	..	..	..	..	303·7	304·7	3rd	295·0	289·7	6th	299·3	−0·9	..	72	+ 12
	Accra	5 35	W 0 6	18	..	..	..	303·4	305·2	10th	296·0	293·6	1st	299·7	−0·1	..	30	− 8
837	Lagos	6 27	E 3 24	1·8	..	1011·0	+0·2	303·8	305·8	..	297·6	295·2	..	300·7	+0·3	..	178	+112
838	Zungeru	9 49	6 10	185·3	..	1013·1	+1·3	306·7	308·6	23, 27, 30	294·9	290·2	26th	300·8	+1·3	..	0	− 4
838a	Libreville	0 23	9 26	35	..	..	..	304·1	305·6	24th	295·5	294·8	28th	299·8	+1·1	..	469	+117
839	Yola	9 12	12 30	259	961·2	1010·0	−0·4	309·8	310·8	sev. dates	295·6	293·0	22nd, 25th	302·7	+1·8	..	0	− 2
841	Wau	7 42	28 3	440	965·5	1008·9	−0·3	311·1	313·0	20, 26, 28	?293·1	293·0	sev. dates	?302·1	+1·4	*300·1*	36	+ 20
842	Malakal (Kodok)	9 53	32 8	387·5	883·9	..	+0·3	308·7	310·9	30th	292·5	288·6	26th, 27th	300·6	+0·3	*299·3*	25	+ 17
844	Entebbe	0 5	32 29	1171	958·9	1007·5	−0·8	299·1	300·7	18th	290·1	289·1	6, 21, 30	294·6	−0·1	*293·3*	217	+ 86
844	Mongalla	5 11	31 47	439·0	..	..	..	306·0	308·5	12th, 17th	293·7	292·0	23rd, 29th	299·8	−0·6	*298·6*	78	+ 30
845	Harrar	9 42	42 30	1856	..	..	..	300·0	301·0	sev. dates	286·4	285·0	12th	293·2	+0·6	..	0	− 15
851	Cochin	10 0	76 21	2·7	1011·2	1011·5	−0·9	304·7	306·5	29th	297·1	296·1	26th	300·9	+0·6	*300·5*	121	− 39
852	Colombo Observatory	6 54	79 53	7·3	1008·4	1009·2	−0·7	303·7	305·1	13th	296·0	293·6	24th	299·8	0·0	*299·4*	304	− 3
852a	Newera Elija	6 59	80 47	1886	..	..	..	293·9	296·4	1st, 20th	284·4	281·1	24th	289·1	+1·1	..	215	− 11
853	Trincomalee	8 34	81 14	30·2	1006·6	1010·0	+0·4	301·8	305·1	6th	296·8	295·4	24th	299·3	−0·4	..	376	+ 21
856	Medan	3 35	98 41	23·5	..	1009·5	−0·7	303·2	305·4	2nd	295·3	294·3	18th	299·3	..	298·5	214	− 29
856	Kota Radja	5 32	95 20	7·1	..	1009·4	−0·6	..	..	..	..	..	..	..	..	..	97	− 95
857	Padang	5 34	100 20	6·3	1009·2	1009·9	−0·2	304·4	305·8	7th	295·9	294·7	30th	300·2	+0·1	..	287	− 21
858	Singapore	1 17	103 51	3·0	1009·4	1009·7	+0·3	304·7	306·3	7th	296·7	295·4	1st	300·7	+0·8	..	176	− 77
860	Sandakan	5 49	118 12	..	..	..	..	304·8	306·3	5, 7, 9,	297·3	295·8	1, 2, 17	301·1	+1·1	..	97	−277
861	Tagbilaran	9 38	123 51	26·2	..	1009·6	+1·2	304·4	305·6	14th	295·2	294·0	13th	299·8	+0·2	299·3	97	− 79
861a	Menado	1 30	124 50	3·5	..	1008·4	−0·1	304·8	307·4	1st	296·6	295·6	2nd	300·7	..	300·4	181	− 44
862	Surigao	9 48	125 29	6	..	1010·0	+1·4	303·5	304·8	13th, 30th	296·0	294·8	13th	299·7	+0·1	299·4	290	−100
863	Yap	9 29	138 8	31·9	..	1008·3	..	..	..	..	..	..	..	..	..	..	111	−122
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·3	1010·3	−0·2	..	..	..	..	..	..	..	+0·8	*301·7*	81	+ 62
906																		
923	Manaos	3 8	59 59	44·9	1003·6	1008·7	+2·0	..	309·6	..	..	296·0	..	301·4	+0·4	..	180	+ 52
925	Turyassu	1 25	45 15	15·1	1008·9	1010·6	..	..	308·2	..	..	293·8	..	300·2	..	..	1	..
929	Quixeramobim	5 16	39 15	207·0	988·6	1012·1	+1·2	..	308·2	..	..	296·4	..	301·6	+0·1	*301·5*	2	− 1
930	Fernando Noronha	3 50	W32 20	93·0	1000·8	1011·6	+0·2	..	301·6	..	..	296·2	..	298·3	−0·1	..	6	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	297·7	299·7	3rd, 24th	?288·7	?286·2	17th	?293·2	+0·4	*292·4*	66	−146
943*a*	Masaka	0 21	31 47	?1280	..	..	..	297·6	300·2	1st	288·4	287·4	2, 22, 27	293·0	..	*292·3*	148	..
944	Nairobi	1 18	36 59	1661	..	..	..	295·9	299·1	11th	286·2	283·0	10th	291·1	+0·2	..	173	−109
944*a*	Zanzibar	6 10	39 11	21·9	1012·0	1014·4	−0·5	303·0	305·2	11th	298·8	297·3	25th	300·9	+0·8	*300·2*	110	
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·0	304·1	29th	298·0	295·2	7th	300·5	..	..	11	− 26
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·6	−0·9	301·7	303·1	20th, 21st	298·1	297·1	5th	299·9	+0·5	..	204	− 47
957	Padang	0 56	100 22	6·7	..	1010·2	−0·8	303·2	305·0	5th	296·4	295·6	23rd	299·8	..	299·0	571	+ 46
958	Batavia	6 11	106 50	8	1008·7	1009·6	−0·2	304·2	306·1	5th	296·9	295·8	3rd, 23rd	300·5	+0·7	300·0	129	6
958*a*	Pontianak	0 1	109 20	2·6	..	1010·0	+0·7	304·3	307·3	9th	296·5	295·6	17th	300·4	..	299·1	419	+ 24
959	Passeroean	7 38	112 55	5·0	..	1009·4	−0·1	305·4	307·2	26th	295·6	292·6	5th	300·5	+0·3	300·7	4	−146
960	Kajoemas	7 56	114 9	950	..	..	..	299·4	301·8	24th	290·7	289·3	4th	295·1	..	294·1	45	+ 33
962	Ambon	3 42	128 10	4·2	..	1010·1	+1·5	302·5	304·2	30th	296·1	295·0	15th	299·3	−0·2	298·9	149	− 88
963	Manokwari	1 10	134 20	19·0	..	..	..	303·5	304·8	5th	296·4	294·9	7th	299·9	..	299·5	69	
965	Daru	9 4	143 13	7·6	..	..	..	303·4	..	..	296·9	..	..	300·2	0·0	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1010·7	+0·3	302·4	..	..	296·4	..	..	299·4	−1·2	..	0	− 50
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1010·4	+2·0	..	..	..	..	..	..	..	..	..	88	−228
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·2	1010·5	+2·1	304·3	307·4	16th	298·3	295·8	1st	301·3	+0·6	..	29	−188
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·1	1008·1	+0·3	304·2	305·9	19th	297·3	295·0	7th	300·8	−0·3	*300·0*	240	+ 94

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+1·2	..	305·0	..	..	293·6	..	..	+0·6	299·3	238	− 39
1003	Alofi, Niue Island	19 2	169 55	36·6	1010·6	1014·8	+0·8	303·0	308·0	9th	291·7	288·6	1st	297·3	−1·0	..	37	− 70
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	293·7	295·4	30th	290·0	288·4	11th	291·9	+0·3	*292·2*	0	0
1022	Arequipa	16 22	71 33	2451	761·2	..	+0·4	294·1	295·9	28th	280·3	277·4	1st, 5th	287·2	0·0	*287·0*	0	− 1
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	726·3	..	..	301·5	..	..	283	..	..	292	+1·5	..	55	− 6
1026	Cuyaba	15 35	56 0	235	989·2	1015·8	−0·5	..	307·5	..	..	296·6	..	301·9	+1·3	..	98	− 55
1027	Bello Horizonte	19 55	43 56	857	918·2	1013·3	..	301·2	305·6	30th	289·2	285·8	9th	295·2	..	..	240	..
1028	Caetite	14 2	42 37	900	912·2	1012·1	−1·0	..	306·2	..	..	288·3	..	297·5	+1·5	*297·3*	48	− 77
1029	Ondina	13 12	38 30	46·6	1007·7	1013·1	..	..	304·6	21st	..	294·2	..	298·4	..	..	40	..
1030	Aracaju	10 55	37 4	4·3	1013·0	1013·5	+0·4	..	303·2	..	..	294·7	..	299·7	+0·2	..	5	− 13
1035	St. Helena	15 57	W 5 40	632	944·6	1016·5	−2·5	292·1	295·2	19th	285·5	284·2	9th	288·8	+0·3	*288·4*	93	+ 49
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	857·5	..	−0·6	302·5	310·2	18th	..	..	..	..	..	..	101	− 8
1043	Salisbury, Rhodesia	17 48	31 5	1472	857·3	..	+0·7	304·5	309·1	17th	287·3	291·4	7th	295·9	+1·3	..	23	− 76
1044	Zomba	15 23	35 18	899	..	1010·3	+1·3	302·7	305·2	3, 28, 29	290·6	289·1	13th, 17th	296·7	−0·8	*294·8*	197	+ 55
1045	Sainte-Marie	17 0	49 51	15	..	..	..	301·1	303·0	12th	295·4	294·4	16th	298·3	..	..	143	..
1046	Tananarivo	18 55	47 32	1400	866·1	..	+1·2	299·1	301·2	18th, 21st	287·6	284·8	25th	293·4	−0·3	*292·2*	119	+ 5
1055	Cocos Keeling Is.	12 5	96 53	4·6														
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·5	1009·1	−0·1	304·7	306·3	..	297·8	296·1	..	301·3	+1·1	..	131	−121
1058																		
1061	Koepang	10 10	123 34	3·3	..	1011·0	+1·7	305·2	307·9	23rd	295·3	293·4	3rd	300·3	..	300·3	4	− 89
1061*a*	Derby	17 18	123 40	16·2	..	1011·0	+1·7	307·9	310·7	13th	298·4	295·2	29th	303·2	−0·5	..	29	− 1
1062	Hall's Creek	18 13	127 46	373·6	..	1011·0	+2·2	308·2	311·9	2nd, 3rd	295·4	291·9	5th	301·8	−1·6	..	200	+166
1063	Port Darwin	12 28	130 51	29·6	..	1010·9	+2·4	306·4	308·4	29th	298·4	295·7	6th	302·4	−0·4	301·7	55	− 69
1064	Daly Waters	16 16	133 23	210·6	..	1008·5	+0·6	311·3	314·7	27th	297·4	295·2	1st	304·3	+0·1	*303·6*	44	− 12
1065	Mein	13 13	142 47	121·9	..	1010·1	+1·8	306·8	310·9	27th	294·4	291·9	3rd	300·6	−0·7	..	2	− 65
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1012·5	+2·4	307·4	310·5	27th	293·7	291·3	6th, 16th	300·5	−1·2	..	109	+ 61
1067	Samarai	10 37	150 40	..	..	1010·2	+0·2	..	..	..	296·3	..	..	300·2	+0·8	..	62	−115
1068																		
1072	Suva, Fiji	18 8 S.	178 26 E.	4·3	1014·8	1015·3	+2·9	300·8	302·2	30th	293·6	290·0	1st	297·2	−0·9	..	13	−229

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

NOVEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1011·6	1012·3	+0·6	299·7	301·1	28th, 29th	293·9	289·7	2nd	296·8	+0·1	..	104	− 49
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·8	1015·2	−0·6	290·9	294·0	24th	281·6	279·4	4th	286·3	0·0	*287·8*	23	+ 21
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1006·2	1013·7	−0·1	302·0	311·8	28th	289·8	283·2	4th	295·9	−0·2	*295·6*	169	+ 66
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	911·3	1012·4	−1·6	..	305·7	..	..	..	284·7	..	..	293·2	+1·7	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·5	1011·7	−2·7	..	306·9	..	..	..	291·8	..	..	..	+1·6	297·6
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	295·6	305·0	17th	283·7	277·9	11th	289·7	−0·7	..	174	+ 66
1142	Kimberley	28 42	24 47	1202	880·5	..	−0·2	301·4	309·2	16th	285·7	279·7	11th, 12th	293·6	−1·0	293·3	59	+ 19
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1014·6	−0·3	300·9	307·6	7th	292·3	289·4	14th	296·6	−0·4	296·0	47	− 34
1147	Mauritius	20 6	57 33	54·3	1009·5	1015·9	−0·2	301·0	302·1	13th, 24th	293·3	291·0	19th	297·1	−0·2	296·7	23	− 17
1159	Onslow	21 43	114 57	4·3	..	1011·2	+1·2	304·9	309·2	25th	292·7	289·1	1st, 13th	298·8	−0·6	..	2	+ 1
1160	Peak Hill	25 38	118 47	588	..	1009·2	+0·7	304·8	311·8	19th	292·6	287·2	4th	298·2	−1·5	..	40	+ 30
1161	Nullagine	21 53	120 5	386	..	1009·8	+1·6	309·2	311·9	5, 22, 24	295·9	290·8	10th	302·6	−0·3	..	51	+ 38
1162	Laverton	28 40	122 23	466	..	1013·2	+1·3	303·3	311·9	1st	290·2	284·7	25th	300·7	+1·4	300·2	51	+ 28
1163	Alice Springs	23 38	133 37	587	..	1010·6	+1·3	307·4	312·6	12th	293·9	288·0	2nd	300·7	+1·4	300·2	51	+ 28
1164	William Creek	28 55	136 21	76·2	..	1013·0	+0·6	308·3	317·4	13th	294·7	288·8	2nd, 26th	301·5	+3·6	*301·1*	29	+ 18
1165	Boulia	22 55	139 38	146	..	1010·0	+1·3	313·1	316·9	25th	297·9	290·8	1st, 2nd	305·5	+3·7	..	82	+ 57
1166	Mitchell	26 32	147 52	336	..	1011·5	+0·7	308·1	313·6	18th	293·7	288·6	2nd, 15th	300·9	+3·9	..	31	− 19
1167	Rockhampton	23 24	150 30	11·3	..	1016·9	+3·7	304·3	309·7	26th	292·9	289·7	1st	298·6	+2·0	..	17	− 37
1168	Brisbane	27 28	153 2	41·7	..	1017·1	+2·9	303·1	308·3	26th	292·6	289·4	1st	297·9	+1·8	..	15	− 77
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5 S.	167 53 E.	117	..	..	..	296·2	299·9	26th	289·5	285·3	1st	292·9	+0·3	..	8	− 69

NOVEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1012·4	1017·2	+1·0	293·8	300·8	25th	284·1	280·2	5th	288·9	−0·6	*288·3*	55	+ 47
1222	Santiago	33 27	70 42	520	956·4	1016·8	+2·0	295·0	300·6	29th	282·1	276·5	5th	288·5	−1·6	*287·6*	57	+ 51
1222*a*	Concepcion	36 50	73 3	15	1016·2	1018·0	..	297·1	293·5	19th, 28th	281·9	276·4	3rd	286·5	..	*286·7*	85	..
1223	Cordoba	31 25	64 12	439	962·4	1013·1	−0·9	297·6	306·7	26th	285·1	278·2	6th	291·3	−2·0	290·9	127	+ 21
1224	Bahia Blanca	38 45	62 15	20	1006·8	1009·2	−0·5	295·6	304·0	..	282·5	272·0	..	289·1	−2·9	..	52	+ 1
1225	Buenos Ayres	34 16	58 22	25·2	1008·8	1011·8	−2·1	296·1	302·7	27th	285·3	277·6	4th	290·7	−2·7	*290·6*	167	+ 91
1225*a*	Rio Grande	32 2	52 9	2	1010·1	1010·3	−1·9	295·3	301·3	27th	290·3	284·8	4th	292·8	−1·0	292·8	173	+ 113
1225	Montevideo	34 55	W56 13	24·9	..	1010·9	−1·7	..	301·5	27th	..	280·5	7th	..	−1·3	290·5	148	+ 81
1239	Cape Town	33 56	E18 29	12	..	..	..	295·8	305·2	25th	286·7	281·2	17th	291·3	+1·0	*290·2*	28	+ 1
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1250	Perth (Observatory)	31 57	115 50	60·0	..	1014·7	−0·6	297·3	305·1	29th	287·6	281·3	24th	292·5	+0·7	..	44	+ 24
1260	Katanning	33 42	117 35	310	..	1014·6	−0·2	297·3	306·6	10th	284·9	278·6	24th	291·1	+0·5	..	70	+ 53
1261	Coolgardie	30 57	121 10	423	..	1013·7	+0·8	299·6	307·8	20th	287·6	280·4	24th	293·6	−1·0	..	78	+ 61
1262	Eucla	31 45	128 58	4·6	..	1014·9	+0·3	297·5	309·9	30th	289·4	280·7	5th	293·5	+1·7	..	67	+ 49
1263	Streaky Bay	32 48	134 13	13·1	..	1017·0	+1·6	301·7	310·2	14th	288·4	282·4	2nd, 3rd	295·1	+2·7	..	17	0
1264	Adelaide	34 56	138 35	42·7	..	1017·0	+1·9	301·7	310·9	13th	288·8	283·3	27th	295·3	+2·9	*294·8*	52	+ 23
1265	Melbourne	37 49	144 58	35·1	..	1017·7	+3·5	296·8	307·3	16th	286·1	280·1	22nd	291·4	+2·1	290·7	60	+ 4
1266	Bourke	30 13	145 58	110	..	1014·7	+1·9	310·1	316·3	23rd, 25th	294·4	288·6	30th	302·3	+4·0	..	7	− 25
1267	Sydney	33 51	151 13	44·5	..	1017·7	+4·0	298·4	305·8	21st	291·4	288·1	30th	294·9	+2·5	..	65	− 8
1268	Lord Howe Island	31 20	159 0	4·6	..	1020·3	..	296·9	300·2	25th	291·1	284·8	29th	294·0	..	..	34	− 72
1271	Auckland	36 50	174 50	38·1	..	..	..	296·9	300·2	25th	284·2	281·6	6th	287·7	−1·0	..	36	− 48
1272	Napier	39 32 S.	176 53 E.	21·3	..	1011·8	−0·2	294·7	302·4	11th	282·6	275·5	13th	288·7	−0·4	..	31	− 33

NOVEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1010·2	..	287·0	293·0	11th	279·8	275·8	7th	283·4	−1·0	..	65	− 8
1302																		
1321	Isla Huafo	43 34	74 45	140	997·9	1015·0	−1·6	285·0	290·3	10th	279·9	275·5	2nd	282·5	−0·2	*282·4*	64	− 6
1322	Punta Galera	40 1	73 44	40	1012·6	1017·5	−0·1	287·1	289·2	23rd, 24th	281·6	278·4	2nd	284·3	−0·2	*284·6*	170	+ 59
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1015·4	+6·0	291·8	303·2	14th	282·1	276·3	28th	286·9	−0·1	*286·1*	42	− 22
1366	Launceston	41 27	147 10	10·1	..	1015·7	+5·4	295·5	302·0	4th	281·9	276·9	18th	288·7	+1·2	..	37	− 9
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·3	295·8	twice	279·5	274·1	20th	283·4	−1·0	..	139	+ 37
1371	Dunedin	45 52	170 31	91	..	1007·4	−1·6	288·7	298·6	10th	279·6	275·2	2nd	284·1	−0·7	..	88	+ 3
1371*a*	Christchurch	43 32	172 38	7·6	..	1008·5	−1·5	291·7	300·6	16th	280·3	274·7	12th	286·0	−0·3	..	53	+ 3
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1012·0	+1·1	289·3	293·4	19th	283·6	278·4	20th	286·4	−0·5	..	50	− 42

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
1421	Islota de los Evangelistas	52 24	75 6	55	996·7	1003·5	+2·3	282·8	283·2	sev. dates	276·8	273·5	18th	279·8	−0·4	*278·9*	172	— 79
1422	Puerto de Punta Arenas	53 10	70 54	4	998·2	998·7	−0·9	284·4	288·2	24th	275·3	271·4	1st	279·9	−1·6	*280·1*	21	— 13
1423	Punta Dungeness	52 24	68 26	5	997·0	997·6	−1·3	283·5	288·0	25th	277·1	273·5	29th	280·3	−1·7	*279·8*	3	— 6
1424	Santa Cruz	50 11	68 21	12														
1424*a*	Año Nuevo	54 39	64 9	50	987·2	993·3	..	279·7	282·7	29th	274·6	270·4	1st	277·1	..	277·1	47	..
1425	Cape Pembroke	51 41	57 42	21	992·7	994·6	−4·3	281·4	286·3	23rd	274·7	270·8	5th	278·1	−1·3	278·3	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	992·5	−0·9	278·1	283·9	14th	271·9	268·0	9th	275·0	−1·5	*274·6*	75	— 24
1467	Macquarie Island	54 30	158 57	9·1	..	993·9	−5·8	278·1	..	..	274·3	..	..	276·2	..	..	..	..
		S.	W.															

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	6·7	984·6	985·5	−2·8	273·0	278·2	14th	266·6	259·5	2nd	269·8	−0·8	269·9	26	— 9
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day. m/s.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 834. Direction and Force. 9 h.	17 h.	Malden Island. 905. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
1	160	170	160	160	7·7	NE 3	N 3	Calm 0	SW 1	Calm	SE 4	N 1	Calm 0	SE 3
2	150	150	150	150	9·6	NW 3	Calm 0	E 1	Calm 0	SW	SE 4	W 1	W 1	NE 2
3	150	150	150	150	9·8	S 3	Calm 0	E 1	SW 1	N	SE 4	WSW 2	W 1	N 2
4	150	150	135	135	7·2	E 3	NE 2	E 1	W 1	NW	SE 4	WSW 1	WSW 4	SE 2
5	135	135	135	135	4·6	E 3	E 2	E 2	Calm 0	NE	Calm 0	WSW 1	W 1	SE 2
6	135	135	135	135	5·4	NW 2	E 2	E 3	W 1	E	SE 2	W 3	WSW 2	N 2
7	135	120	135	135	6·2	NW 2	Calm 0	Calm 0	Calm 0	E	NW 2	W 4	W 1	NE 2
8	135	150	135	135	7·0	SE 3	E 3	E 1	SW 2	NE	SE 3	W 2	WSW 1	N 3
9	120	120	135	120	6·3	SE 3	NE 3	E 1	W 1	NE	SE 4	W 3	W 4	NE 2
10	135	135	135	135	5·4	NE 4	NE 3	E 2	Calm 0	N	SE 3	WNW 4	W 1	NE 2
11	135	120	150	150	5·9	SE 2	E 2	E 1	Calm 0	N	SE 4	WSW 5	W 2	NE 2
12	135	135	150	150	4·8	SE 3	SW 3	E 3	Calm 0	W	SE 3	WSW 2	W 2	E 2
13	150	150	150	160	5·2	NE 2	NE 3	E 1	SW 1	NW	SE 3	W 5	W 1	N 2
14	160	160	160	160	5·8	ENE 3	E 4	Calm 0	SW 1	N	SE 2	SW 1	SSW 1	NE 2
15	160	160	160	160	6·9	E 4	E 3	E 1	SW 1	NE	SE 1	NNE 1	ENE 1	NE 1
16	150	160	150	135	8·8	NE 4	E 5	Calm 0	W 1	E	Calm 0	NNE 1	Calm 0	NE 2
17	135	135	135	135	10·3	E 4	E 2	SW 1	SW 1	SE	Calm 0	SSW 1	WSW 2	Calm 0
18	120	120	150	150	10·0	NE 4	NE 4	E 2	Calm 0	E	SE 2	SW 1	SSW 1	Calm 0
19	150	135	150	150	8·6	NE 4	NE 4	E 2	W 1	NW	SE 3	SSW 1	Calm 0	N 2
20	160	150	150	150	11·7	NE 4	NE 4	E 2	Calm 0	NW	SE 4	WNW 1	Calm 0	E 3
21	160	160	135	160	12·7	NE 5	E 4	E 1	Calm 0	N	SE 4	SW 1	Calm 0	E 2
22	160	150	150	150	11·4	Calm 0	Calm 0	E 1	Calm 0	E	SE 4	Calm 0	SW 2	NE 2
23	160	160	160	160	11·1	SE 2	E 2	E 2	SW 2	N	SE 4	NE 1	Calm 0	Calm 0
24	150	160	150	150	6·0	ESE 2	E 2	E 1	SW 1	N	SE 6	ESE 1	Calm 0	NE 3
25	150	150	150	160	3·3	E 3	NE 2	E 1	SW 1	NE	SE 4	ESE 1	Calm 0	NE 3
26	160	160	..	..	(3·5)	SW 2	SW 2	E 2	Calm 0	NE	SE 4	ESE 2	WSW 1	SW 4
27	..	150	150	150	(4·3)	W 2	E 2	E 2	S 1	N	SE 4	W 1	W 3	NE 2
28	150	160	150	150	4·9	NE 2	NE 3	Calm 0	SW 1	NE	Calm 0	WSW 3	W 1	SE 3
29	150	150	160	160	4·5	E 4	E 5	W 1	W 2	E	SE 2	W 3	W 1	SE 5
30	160	160	160	160	4·3	E 4	E 5	Calm 0	Calm 0	E	SE 3	W 3	W 3	E 2
Mean	147	147	147	148	7·1	3·0	2·6	1·2	0·7	..	2·9	1·9	1·2	2·1
Resultant†	147°			..	7° (55)			140° (19)		30° (49)	135° (80)	260° (55)		60° (58)
Normal†	143°			8·5	122° (78)			285° (8)		72° (82)	131° (52)	108° (36)		101° (63)

* Direction and velocity of the South-East Trade Wind at 632 metres. † Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1914

**Iceland.*—"The coasts were free."

**Spitsbergen.*—"Icefiord froze up."

North Atlantic and Labrador.—"Icebergs were observed on the Newfoundland Banks as well as in the vicinity of Belle Isle Strait. The eastern limit was 42° W. and the southern 47° N."

**Davis Strait.*—"Winter ice commenced to form on part of the West Greenland coast."

* *Isforholdene i de arktiske Have, 1914* and *1915*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

DECEMBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	999·5	1002·1	− 3·8	..	..	..	252·5	245·7	16, 17, 18	..	− 1·6	*254·4*	5	− 8
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1002·5	1004·0	− 8·4	..	275·4	26th	249·3	238·4	20th	..	..	255·2	27	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1000·2	1001·0	− 2·0	..	276·8	13th	268·8	265·3	18th	..	+ 1·7	*271·5*	58	− 9
142	Mehavn	71 1	27 47	6·4	1001·2	1002·0	− 3·1	..	277·4	13th	267·4	262·7	10th	..	+ 1·5	*270·3*	45	− 33
143	Vardö	70 22	31 8	10·0	1002·0	1003·3	− 1·8	..	275·4	4th	267·7	262·1	27th	..	+ 1·4	*270·1*	39	− 11
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

DECEMBER—ZONE 2. Between Latitude 70° N. and 60° N.

203	Nome	64 31	165 24	6·1	1000·3	1001·1	− 4·6	272·2	275·2	..	266·9	256·9	..	269·6	+11·2	..	87	+ 58
204	Candle	65 55	161 57	? 2·4	..	..	..	271·2	?275·8	10th, 15th	262·3	248·6	31st	266·7	..	..	..	..
205	Tanana	65 12	152 0	? 74	1003·1	?1012·8	..	266·4	272·4	..	260·6	244·1	..	263·5	+14·3	..	68	+ 39
206	Rampart	65 30	150 15	? 122	..	..	..	262·3	272·4	16th	254·8	245·8	29th, 30th	258·6	..	..	7	− 12
207	Valdez	61 6	146 13	3·1	1008·5	1008·9	+ 6·8	271·8	276·9	..	256·9	248·6	..	259·6	+ 8·6	..	6	− 7
208	Eagle	64 46	141 12	250	984·6	1017·2	+ 4·2	262·2	268·0	22nd	246·7	237·4	25th, 26th	249·9	+ 1·7	..	2	− 30
209	Dawson	64 4	139 20	328	982·0	1026·4	+13·2	253·2	265·8	23rd	249·2	242·7	25th	254·3	− 5·5	..	4	− 14
210	Carcross	60 11	134 34	662	..	..	..	259·3	277·4									
211																		
212	Fort Simpson	61 52	121 35	129	1005·8	1023·9	..	251·8	268·0	17th	244·2	234·7	26th	248·0	− 1·0	*248·0*	6	− 14
213	Hay River	60 51	115 20	161	1002·1	1024·4	..	254·1	266·3	17th	245·8	252·9	22nd, 24th	249·9	− 2·0	..	6	..
214	Fort Resolution	61 10	113 50	240	..	..	..	252·8	264·7	..	245·8	230·8	..	249·3	..	..	3	..
225	Jacobshavn	69 13	51 2	12·6	997·9	999·5	− 4·5	260·0	273·1	24th	253·5	249·7	8, 9, 16	256·7	− 3·4	*256·2*	8	− 4
226	Godthaab	64 11	51 44	9·0	991·8	993·0	− 6·1	263·3	270·2	24th, 25th	259·3	255·2	28th	261·3	− 4·1	*261·1*	1	− 38
229	Angmagsalik	65 37	37 34	31·7	987·4	991·4	− 6·9	268·4	275·7	22nd	261·9	253·3	4th	265·1	− 0·9	*265·7*	70	− 6
230																		
231	Stykkisholm	65 5	22 46	11·3	987·6	989·1	− 9·9	274·5	278·5	23rd, 24th	269·5	262·5	6th	272·0	+ 0·2	*271·9*	55	− 9
232	Vestmanno	63 26	20 15	7·7	986·8	987·8	−11·4	281·6	280·2	24th	271·7	267·4	16th	276·7	0·0	*274·3*	249	+109
233	Grimsey	66 33	17 58	22·0	993·0	993·9	− 7·2	273·6	278·3	23rd	270·7	264·1	2nd	272·1	+ 0·6	*272·3*	1	− 19
234	Berufjord	64 40	14 19	18·0	991·0	993·3	− 7·4	274·6	278·5	25th, 27th	269·5	263·5	9th	272·1	− 0·2	*272·3*	162	+ 25
235	Thorshavn	62 3	6 45	25·7	991·5	994·6	− 7·2	277·4	280·8	26th	272·7	267·0	10th	275·1	− 1·3	..	101	− 67
236	Lerwick	60 9	W 1 8	18·0	993·6	995·8	− 8·4	279·1	282·4	2nd	275·5	270·8	13th	277·3	− 0·2	*277·6*	153	+ 31
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	993·5	999·0	−10·1	..	282·7	1st	273·7	268·3	12th	..	+ 0·8	*275·7*	191	− 20
238	Christiansund	63 7	7 45	17·8	997·2	999·3	− 7·0	..	282·4	3rd	273·7	269·5	13th	..	+ 0·4	*275·6*	56	− 57
239	Trondhjem	63 26	10 25	39·5	996·7	1001·6	− 6·0	..	284·3	1st	269·8	259·5	13th	..	+ 1·8	*272·5*	34	− 53
240	Bodö	67 17	14 24	20·5	999·6	1002·2	− 2·8	..	278·4	1st	269·9	263·6	13th	..	+ 0·8	*272·4*	59	− 25
241	Haparanda	65 50	24 9	9·2	1006·1	1007·3	− 1·9	270·4	278·0	1st	264·7	252·5	18th	267·5	+ 4·8	*267·8*	78	+ 46
242	Helsingfors	60 10	24 57	11·7	1009·5	1011·0	− 1·2	275·1	279·4	1st, 4th	272·7	267·4	12th	273·9	+ 4·5	*274·0*	121	+ 70
242*a*	Kuopio	62 54	27 40	99·7	999·1	1010·6	− 0·9	273·0	280·1	1st	268·8	259·0	18th	270·9	+ 5·5	*270·9*	30	− 12
243	Kola	68 53	33 1	6·7	..	1006·7	− 0·8	..	276·4	4th	..	247·6	17th	..	+ 1·0	*266·6*	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1015·9	+ 3·0	..	279	..	..	252	..	..	+ 6·0	*270·8*	44	+ 10
245	Arkhangelsk	64 33	40 32	6·7	..	1014·4	+ 3·6	..	277	..	..	253	..	..	+ 5·3	*267·0*	35	+ 11
246	Velsk	61 5	42 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1015·0	− 1·7	..	275	..	..	248	..	..	+ 6·6	*264·6*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	1014·3	− 0·5	..	?270·6	6th	..	?251·8	31st	..	+10·3	*261·9*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	? 135	..	1017·4	− 9·8	..	264·9	10th	..	232·4	18th	..	+10·1	*250·0*	..	..
262	Iakoutsk	62 1	129 43	? 108	..	1014·0	−12·1	..	262·3	8th	..	?217·6	31st	..	+ 7·0	*239·5*	..	..
263	Verkhoïansk	67 33	133 24	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	993·2	996·6	−15·6	..	263·5	22nd	247·0	234·6	4th	252·3	+ 4·6	..	14	+ 5
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. °	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

DECEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1004·9	1005·4	− 0·2	278·3	283·0	1st, 13th	272·7	269·7	sev. dates	275·5	+2·6	..	180	+ 18
305	Kodiak	57 47	152 22	3·7	..	..	..	277·6	280·2	10th	272·9	269·1	24th	275·3	..	..	221	+ 72
309	Sitka	57 4	135 20	27·4	1012·7	1016·1	+11·4	278·1	282·4	..	270·8	265·2	..	274·4	−0·9	..	172	− 63
310	Prince Rupert	54 18	130 18	52	1008·1	1015·2	+ 6·8	277·6	281·3	22nd, 31st	272·0	266·3	7th	274·8	−1·6	..	167	−195
311	Barkerville	53 2	121 35	1274	866·9	1018·3	+ 4·1	264·6	273·0	23rd	258·9	250·8	11th, 15th	261·8	−5·2	*261·8*	79	− 8
312	Kamloops	50 41	120 29	380	979·0	1022·0	+ 5·1	269·8	280·1	1st	264·6	256·3	12th	267·2	−4·1	*267·2*	15	− 24
313	Calgary	51 2	114 2	1033	894·0	1019·6	+ 3·9	267·2	276·3	31st	257·7	249·7	10th, 11th	262·5	−4·1	*262·5*	19	+ 7
314	Fort Chipewyan	58 42	111 10	218	995·8	1025·6	..	254·9	266·9	18th	246·2	230·2	22nd	250·6	−5·8	*250·5*	7	− 16
315	Prince Albert	53 10	106 0	437	965·4	1021·3	+ 4·7	257·4	267·4	4th	253·2	233·0	25th	255·3	−2·9	*255·3*	14	− 8
316	Qu'Appelle	50 30	103 47	645	940·4	1021·3	+ 4·7	261·2	269·7	2nd	252·8	235·2	25th	257·0	−4·2	*257·0*	10	− 8
317	Minnedosa	50 15	99 50	515	957·3	1023·0	+ 4·5	260·9	269·1	8th	252·0	237·2	24th	256·4	−3·3	*256·4*	8	− 14
318	Berens River	52 18	97 23	216	..	..	..	258·6	275·8	1st	249·9	238·6	24th	254·3	−2·4	*254·3*	10	..
318a	York Factory	57 0	92 28	16·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1019·9	1021·1	+ 3·9	262·7	276·3	1st	252·2	234·7	25th	257·5	−0·3	..	14	− 25
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1010·7	1014·1	..	256·9	262·4	10, 15, 20	249·7	240·8	30th	253·3	..	..	6	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	274·7	2nd, 20th	..	253·0	27th	264·4	−3·2	..	5	− 53
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Valencia	51 56	10 15 W	13·7	994·3	996·0	−14·7	281·5	284·7	26th	276·6	270·8	24th	279·1	−1·4	279·3	288	+125
335	Aberdeen	57 10	2 6	26·8	993·1	996·4	−10·7	278·4	283·0	2nd	274·0	268·0	25th	276·2	−0·5	276·4	134	+ 51
336	Greenwich	51 28	0 0 W	48·5	997·1	1003·1	−12·1	281·3	286·7	7th	275·9	270·2	25th	278·6	+1·2	278·8	151	+100
337	Uccle	50 48	4 22 E	100	994·9	1007·2	− 9·5	280·7	287·8	7th	275·9	266·6	25th	278·3	+2·8	278·3	93	+ 24
338	De Bilt	52 6	5 11	3·0	1005·4	1005·8	− 9·4	280·8	286·5	8th	275·8	267·2	25th	278·3	+2·9	278·0	115	+ 41
338a	Hamburg	53 33	9 59	40	1002·6	1007·5	− 6·4	279·8	285·6	1st	276·1	268·7	26th	277·9	+3·1	*277·5*	64	+ 6
339	Copenhagen	55 41	12 36	5·0	1006·0	1006·6	− 6·7	278·5	284·2	1st	275·9	270·4	26th	277·2	+3·1	*277·3*	58	+ 14
340	Potsdam	53 23	13 14	84·9	1000·3	1010·9	− 4·5	279·0	287·3	8th	274·2	265·8	28th	276·6	+2·6	276·4	48	+ 4
340a	Upsala	59 51	17 38	24·0	1003·5	1006·5	− 4·5	276·3	282·9	1st	272·9	265·8	11th	274·6	+5·3	274·8	60	+ 21
341	Warsaw	52 13	21 2	120	..	1015·0	− 1·9	..	284	..	..	269	..	..	+4·6	*276·3*	38	+ 1
342	Jurjev	58 23	26 43	74·5	1004·0	1013·4	+ 0·4	274·5	279·4	8th	271·1	262·0	29th	272·8	+4·9	273·0	69	+ 30
343	Petrograd	59 56	30 16	4·8	..	1014·4	+ 1·9	..	279	..	..	264	..	..	+5·1	*272·3*	48	+ 16
344	Kiev	50 27	30 30	182·9	..	1024·3	+ 5·7	..	280	..	..	263	..	..	+2·9	*271·6*	26	− 13
344a	Moscow	55 46	37 40	156	..	1025·1	+ 5·2	..	277	..	..	255	..	..	+3·1	*269·0*	29	− 11
345	Saratov	51 32	46 3	59·9	..	1032·0	+11·0	..	276	..	..	245	..	..	−1·1	*264·0*	28	− 10
346	Kazan	55 47	49 8	79·8	1019·1	1029·6	+10·2	..	275	..	..	251	..	..	+2·2	264·6	23	+ 1
347	Orenburg	51 45	55 6	114·1	..	1032·6	+ 9·5	..	274	..	..	248	..	..	+1·0	*262·3*	..	..
348	Perm	58 1	56 16	163·0	..	1027·4	+ 8·5	..	274	..	..	248	..	..	+2·5	*262·5*	32	− 11
349	Ekaterinburg	56 50	60 38	288·9	..	1029·0	+ 8·1	..	273	..	..	247	..	..	+2·9	*261·8*	11	− 3
350	Tobolsk	58 12	68 14	108	..	1025·1	+ 4·3	..	272·4	11th	..	235·7	20th	..	+2·3	*258·3*	9	− 14
351	Akmolinsk	51 12	71 23	? 347	..	1034·6	+ 5·1	..	272·6	12th	..	241·4	24th	..	−1·1	*257·9*	0	− 15
352	Omsk	54 58	73 23	90	..	1030·3	+ 5·4	..	268·5	12th	..	242·5	21st	..	−0·9	*255·1*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1032·3	+ 2·7	..	269·7	11th	..	242·2	24th	..	+0·8	*258·3*	..	..
354	Tomsk	56 30	84 58	121·6	..	1027·9	+ 1·1	..	268·9	11th	..	237·8	29th	..	+0·8	*256·6*	..	..
355	Minousinsk	53 43	91 41	? 245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	1025·6	− 1·4	..	267·9	11th	..	232·4	21st	..	+2·0	*254·3*	..	..
357	Irkutsk	52 16	104 19	467	..	1033·0	+ 1·4	..	268·0	19th	..	238·4	21st	..	−1·5	*253·4*	..	..
358	Kirensk	57 47	108 7	? 263	..	1026·9	− 2·6	..	268·7	3rd	..	227·8	21st	..	+3·9	*251·9*	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinsk	51 59	116 35	484	..	1033·5	+ 5·7	..	255·7	18th	..	236·8	25th	..	−1·7	*245·4*	0	− 5
361	Tygan Ourkan	54 5	124 46	? 359	..	1019·3	..	..	265·8	9th	243·0	230·5	31st	..	..	*249·9*	2	..
362	Blagoveshchensk	50 15	127 31	133·6	971·0	1019·3	− 2·5	..	268·2	5th	247·5	238·4	20th	..	+1·6	*252·4*	0	− 1
363	Paikanskii Sklad	50 11	130 7	? 145	999·2	1019·5	..	..	260·0	6th	238·6	231·5	22nd, 23rd	..	..	*245·1*	1	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1005·9	1008·8	− 3·8	..	261·4	9th	246·9	239·3	28th	..	−1·4	*251·1*	3	− 18
366	Okhotsk	59 21	143 17	6·0	1002·7	1003·5	− 8·2	..	260·4	5th	248·0	239·3	29th	..	+0·2	*250·6*	0	− 5
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	983·2	994·4	− 5·9	..	270·2	19th	260·2	255·7	30th	262·9	−2·4	..	28	− 53

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·6	1020·6	+3·8	279·1	282·5	7th	275·3	271·8	12th, 13th	277·2	−0·8	277·0	15	−135
412	Portland, Oregon	45 32	122 41	46·6	1012·6	1018·3	−0·5	278·3	283·6	31st	273·1	267·4	21st	275·7	−2·8	*276·4*	65	−114
413	Macleod	49 44	113 24	954	..	..	..	266·2	278·0	4th	254·9	241·3	10th	260·6	−8·8	*260·6*	51	+ 37
414	Helena	46 34	112 4	1253	874·1	1022·3	+1·5	270·3	280·2	31st	262·3	251·9	16th	266·3	−3·2	*266·2*	6	− 14
414a	Salt Lake City	40 46	111 54	1329	868·2	1020·0	−1·3	274·9	284·1	4th	267·7	261·9	22nd	271·3	−1·9	*271·2*	10	− 25
415	Cheyenne	41 8	104 48	1856	810·5	1022·0	+3·2	272·1	280·2	4th	260·7	251·9	16th	266·4	−4·6	*266·7*	4	− 7
416	North Platte	41 8	100 45	859	920·5	1025·4	+5·6	271·1	284·1	3rd	259·3	249·1	16th	265·2	−4·9	*265·1*	22	+ 7
416a	Bismarck	46 47	100 38	510·6	960·9	1025·4	+5·7	265·2	279·7	2nd	253·4	238·6	25th	259·3	−3·8	*259·8*	9	− 6
417	Winnipeg	49 53	97 7	231·6	993·2	1023·7	+5·8	260·2	271·4	6th	251·6	240·0	24th	255·9	−2·5	*255·9*	36	+ 12
418	Duluth	46 47	92 6	345·1	979·3	1023·3	+5·6	264·7	277·4	1st	256·2	244·1	25th	260·5	−3·6	*260·3*	8	− 15
419	Port Arthur	48 27	89 12	196·3	996·6	1022·0	+4·8	266·3	279·7	1st	256·9	244·1	25th	261·6	−1·3	*261·6*	6	− 15
420	Chicago	41 53	87 37	250·9	991·2	1022·7	+4·1	272·0	287·4	1st	265·2	253·0	26th	268·6	−3·2	*269·0*	59	+ 8
421	Toronto	43 40	79 24	115·5	1006·4	1021·3	+3·8	272·7	285·1	2nd	266·3	251·2	26th	269·5	−0·3	269·1	45	− 27
422	New York (Central Park)	40 46	73 58	29·6	1017·7	1021·4	+3·0	276·1	290·8	3rd	269·4	256·9	26th	272·7	−1·6	272·7	133	+ 46
423	St. John, N.B.	45 17	66 4	? 22	1015·2	1020·0	+5·9	272·4	282·7	2nd	264·0	249·5	26th	268·2	−0·6	*268·4*	66	− 40
424	S. W. Point, Anticosti	49 24	63 35	9·1	1013·5	1014·7	+4·5	268·7	276·3	1st	260·2	249·7	24th	264·5	−1·9	..	43	− 12
425	Sable Island (Main Station)	43 57	60 6	7·6	1018·9	1019·6	+8·3	275·9	283·6	14th	270·8	261·9	27th	273·3	−2·0	..	162	+ 25
426	St. Johns, Newfoundland	47 34	52 42	38·1	1006·8	1011·5	+2·2	272·0	281·3	20th	266·0	258·6	27th	269·0	−2·3	..	45	− 98
435	Madrid	40 24	3 41 W	655·4	942·3	1020·3	−1·5	282·2	287·6	6th	274·3	266·0	26th	278·3	+0·2	278·2	53	+ 11
436	Nantes	47 15	1 34 W	41·4	1004·4	1009·5	−9·3	282·5	288·3	7th	277·5	270·1	25th	280·0	+2·3	280·0	255	+170
437	Paris (Parc St. Maur)	48 49	2 29 E	50·3	1003·3	1009·5	−8·7	282·1	288·8	7th	276·4	266·3	26th	279·2	+3·5	279·2	68	+ 26
438	Marseilles	43 18	5 23	75	1006·1	1016·3	−1·0	285·6	291·9	7th	278·1	272·4	22nd	281·9	+2·1	*281·8*	75	+ 2
438a	Zürich	47 23	8 33	493·2	956·1	1015·9	−4·5	279·8	289·2	8th	273·3	268·4	31st	276·5	+3·9	276·3	57	− 16
439	Rome	41 54	12 28	50·6	1011·5	1017·3	+2·0	285·9	289·2	15th	279·4	273·6	1st	282·7	+1·4	*282·4*	219	+129
440	Vienna	48 15	16 22	202·5	990·8	1016·5	−2·7	273·4	269·4	16th	273·4	269·4	28th	275·0	+2·5	275·0	46	+ 4
440a	Buda-Pesth	47 30	19 2	129	1002·4	1018·5	−1·2	276·7	283·9	15th	274·1	267·2	2nd	276·3	+3·8	276·1	77	+ 29
441	Bucharest	44 25	26 6	82	1011·8	1022·2	+1·8	278·5	285·3	15th	274·1	265·6	4th	277·2	+1·1	273·7	21	− 19
443	Odessa (University)	46 29	30 44	65	..	1024·4	+5·0	..	283	..	..	265	..	..	+2·1	*274·5*	22	− 8
444	Kharkov (University)	50 0	36 14	140	..	1027·9	+6·3	..	278	..	..	259	..	..	+1·5	*269·5*	31	− 4
444a	Novorossiisk	44 44	37 49	37	..	1023·9	+4·4	..	287	..	..	266	..	..	+0·1	*278·0*	72	− 18
445	Tiflis	41 43	44 48	409	..	1027·4	+3·9	..	284	..	..	267	..	..	0·0	*276·8*	26	+ 4
446	Astrakhan	46 21	48 2	−14	..	1030·2	+7·3	..	278	..	..	249	..	..	−2·0	*267·9*	23	+ 9
447	Fort Alexandrovsk	44 31	50 16	24	..	1029·9	+7·1	..	280·2	20th	..	259·4	29th	..	−1·9	*270·9*	..	..
448	Krasnovodsk	40 0	52 59	−15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Tachkent	41 20	69 18	478·3	..	1030·8	+4·8	..	285·0	14th	..	257·0	31st	..	−2·0	*273·3*	46	+ 8
450	Tourgay	49 38	63 27	? 130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1020·3	1026·2	−0·4	266·8	273·1	14th	254·2	248·0	23rd	260·5	−2·4	260·2	4	− 2
462	Joshin	40 40	129 11	4·0	1018·7	1019·2	−1·2	274·8	279·3	30th	266·7	260·1	19th	270·7	+1·2	270·3	15	− 22
463	Vladivostok	43 7	131 55	26·8	1016·6	1020·1	−1·7	..	273·8	30th	260·3	254·1	19th	..	+0·7	*263·7*	8	− 2
464																		
465	Ochiai	47 20	142 44	6·6	1008·5	1009·4	−2·5	266·3	273·7	31st	255·4	243·7	24th	260·9	−1·4	261·9	30	− 40
466	Nemuro	43 20 N.	145 35 E.	26·7	1007·2	1010·6	−0·3	273·8	280·2	18th	267·2	262·3	24, 25, 28	270·5	−0·7	270·9	38	− 20

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1010·7	1016·6	−3·7	284·9	292·4	22nd	279·7	278·0	15th	282·3	−1·6	*281·9*	139	+ 35
512	San Luis Obispo	35 18	120 39	61·3	1009·7	1017·3	−2·4	288·4	293·0	23rd	277·9	273·6	14th	283·2	−1·7	*282·9*	153	+ 56
513	Modena	37 48	113 54	1670	832·1	1019·3	−2·0	274·3	280·8	2nd	259·7	251·9	15th	267·0	−2·6	*267·2*	12	− 1
514	San Diego	32 43	117 10	26·5	1012·3	1015·6	−2·3	289·7	294·1	31st	281·4	276·9	14th	285·5	−0·8	*285·4*	56	+ 12
515	Santa Fé	35 41	105 57	2138	784·8	1019·3	+0·8	274·2	280·8	23rd	265·2	258·6	15th	269·7	−2·4	*269·7*	43	+ 25
516	Denver	39 45	105 0	1613	836·3	1021·3	+2·8	274·9	285·2	31st	262·6	251·3	21st	268·7	−4·3	*268·8*	18	0
517	Abilene	32 23	99 40	529·6	958·5	1021·7	+2·3	281·1	288·6	5th	272·3	264·1	14th	276·7	−3·8	*276·4*	41	+ 10
518	Saint Louis	38 38	90 12	173·1	1001·3	1022·7	+2·5	274·4	288·6	1st	267·8	256·3	26th	271·1	−3·6	*271·3*	57	+ 3
519	Mobile	30 41	88 2	17·4	1017·8	1020·0	−0·6	286·8	297·4	29th	278·6	269·7	16th	282·7	−0·9	*282·9*	105	− 15
520	Nashville	36 10	86 47	166·4	1002·0	1022·3	+1·3	278·7	290·2	1st	271·6	257·4	15th	275·1	−2·8	*275·3*	129	+ 28
521	Charleston	32 47	79 56	14·6	1017·6	1019·3	−1·5	285·6	293·0	25th	279·1	270·8	17th	282·3	−0·8	*282·9*	60	− 14
522	Washington	38 54	77 3	34·1	1017·8	1022·3	+2·2	276·6	290·8	2nd	270·3	256·3	27th	273·5	−1·7	*273·6*	114	+ 32
524	Bermuda	32 18	64 46	46·0	1014·3	1019·8	+1·3	295·4	297·7	5th	289·4	286·3	17th	292·4	+1·2	..	266	+155
531	Horta	38 32	28 38	28	1018·1	1021·0	+1·5	289·3	291·5	27th	285·4	280·9	28th	287·3	−1·3	*287·1*	136	− 11
532	Ponta Delgada	37 44	25 40	17	1020·6	1021·8	+1·1	289·4	291·3	5th	285·7	281·8	28th	287·6	−0·4	*287·4*	116	− 29
533	Madeira (Funchal)	32 37	16 54	25	1022·6	1025·6	+4·7	292·3	294·1	14th	287·2	284·9	18th	289·8	+0·2	289·7	30	− 74
535	Lisbon	38 43	9 9	95	1009·0	1020·6	+0·4	287·3	290·5	6th	283·0	275·9	30th	285·1	+1·3	*285·1*	164	+ 60
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536a	Gibraltar	36 6 N.	5 21 W.	16·2	1020·4	1022·4	+2·8	288·8	291·9	5th, 7th	283·3	278·0	27th	286·1	−0·2	*286·2*	142	+ 2

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

DECEMBER—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	979·1	1020·2	+1·0	287·0	293·4	14th	281·7	273·5	25th	284·3	+0·3	284·3	102	+ 7
538	Palma	39 34	2 38	23	1015·0	1017·7	+0·3	288·5	293·2	6th	281·8	277·2	26th	285·1	+0·2	..	86	+ 31
538a	Tunis	36 48	10 10	33	..	1017·9	+2·1	290·7	300·0	14th	280·4	276·8	6th	285·5	+0·9	*285·5*	35	− 29
539	Malta	35 54	14 31	58·8	..	1020·5	+3·1	287·6	292·0	16th	285·4	282·9	28th	286·5	−0·4	..	27	− 73
540	Riposto	37 41	15 14	14·2	..	1020·0	+3·3	288·5	290·9	15th	283·5	281·5	6th	286·0	+0·3	*285·7*	21	− 15
541	Athens	37 58	23 43	107·1	1006·9	1019·9	+3·3	288·1	290·6	sev. dates	281·4	277·8	29th	284·7	+1·2	284·6	48	− 15
542	Alexandria	31 9	29 54	32·0	1016·4	1020·2	+1·5	293·3	297·7	27th	286·0	282·6	10th	289·7	0·0	*288·6*	103	+ 37
543	Cairo (Helwan)	29 52	31 20	115·6	1006·6	1020·6	+0·4	293·0	301·3	27th	283·1	278·8	26th	288·1	+0·5	*287·1*	10	+ 6
544	Nicosia	35 11	33 22	152	..	1020·6	+2·0	292·7	294·7	17th	277·8	274·7	3rd	285·2	+1·1	..	94	+ 17
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Lenkoran	38 46	48 52	−19	..	1027·5	+4·8	..	287	..	..	273	..	..	−1·3	*278·1*	131	+ 32
547	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	912·7	1026·8	..	283·2	289·9	14th	268·1	261·6	28th	275·7	−1·9	..	16	− 4
549	Quetta	30 11	67 3	1677	836·3	..	−0·8	284·3	290·1	1st	269·7	264·2	30th	277·0	−2·1	*276·5*	29	+ 5
550																		
551	Lahore	31 34	74 20	214·0	993·6	1017·9	−0·8	293·7	297·6	1st	278·6	274·8	15th	286·1	−0·7	*285·0*	18	+ 8
551a	Simla	31 7	77 8	2205	783·0	..	−0·1	282·6	285·7	25th	276·7	273·4	13th	279·7	−0·3	*279·2*	32	+ 1
552	Leh	34 10	77 42	3503	666·9	..	−0·3	272·0	276·0	3rd	260·2	254·6	15th	266·1	−2·7	*265·0*	4	− 0
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	1	− 21
559	Hang Kow	30 35	114 17	37·0	1022·3	1026·9	−1·5	283·8	292·5	1st	276·3	271·7	13th	280·1	+0·7	*279·7*	25	+ 4
560	Tiensin	39 10	117 10	5·0	1026·3	1027·0	−1·2	276·1	281·5	20th	267·6	261·4	23rd	271·9	+1·1	*271·6*	1	− 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·2	−0·9	284·7	295·1	1st	275·4	269·2	29th	280·1	+0·6	279·2	26	− 5
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1023·2	−1·4	276·4	286·1	1st	268·9	263·4	24th, 27th	272·7	−0·4	272·6	9	− 14
562a	Nagasaki	32 44	129 52	133·0	1004·9	1021·2	+0·1	285·0	292·7	2nd	278·3	273·9	30th	281·6	+0·7	281·4	75	− 8
563	Kioto	35 1	135 44	42·9	1013·7	1019·0	−0·1	284·7	293·4	2nd	273·0	268·2	20th	278·9	+0·8	278·1	44	− 7
564	Tokio	35 41	139 45	21·3	1012·7	1015·3	0·0	284·7	290·6	2nd	273·9	270·0	20th	279·3	+0·7	278·8	47	− 7
565	Miyako	39 38	141 59	30·4	1010·5	1014·2	0·0	281·6	289·3	2nd	270·0	264·3	29th	275·8	−0·3	274·9	17	− 40
566		N.	E.															

DECEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1012·0	1013·4	−2·8	297·7	299·7	..	291·7	289·1	..	294·7	−0·7	..	111	− 3
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1018·4	1020·3	+0·1	285·7	293·0	1st	280·6	270·8	14th	283·1	−3·1	*283·4*	113	+ 15
618	New Orleans	29 58	90 4	15·5	1017·8	1020·0	−0·2	286·9	297·4	24th	279·9	271·3	15th	283·4	−1·8	*283·6*	101	− 19
619	Havana	23 8	82 22	24·3	..	1016·3	−1·5	300·3	302·8	25th	293·4	291·0	8th	296·9	+1·7	*296·8*	183	+121
620	Key West	24 33	81 48	6·7	1015·9	1016·6	−2·1	297·2	301·3	25th	292·5	286·3	12th	294·9	+0·5	*294·6*	157	+112
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·7	−0·2	299·4	301·1	1, 14, 27	294·3	291·6	17th	296·9	+1·1	..	43	+ 5
622																		
633	La Laguna	28 28	16 20	547	960·0	1024·2	+3·4	288·9	291·3	13th	283·5	278·7	11th	286·2	−0·1	..	35	− 91
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	287·0	290·0	14th, 19th	268·8	263·5	4th	277·9	0·0	..	0	− 77
637	Insalah	27 8	E 2 27	280	..	..	..	295·9	299·5	21st	277·2	269·0	30th	286·5	−0·8	*285·9*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	296·3	301·5	27th	280·8	275·5	24th	288·5	+1·1	*288·6*	..	..
643	Tor	28 13	33 37	1·9	1017·6	1017·9	+0·6	295·2	299·4	28th	283·0	279·5	25th, 26th	289·1	0·0	*288·4*	..	..
644	Aswan	24 2	32 53	99·6	1007·0	1018·8	0·0	298·5	305·0	28th	285·0	283·1	22, 23, 25	291·7	+0·9	*290·6*	..	..
647	Bushire	28 59	50 53	4·3	1020·1	1020·7	+0·9	292·9	297·5	7th	285·5	281·3	29th	289·2	−0·4	..	30	− 53
648	Jask	25 44	57 47	4·0	1018·9	1019·3	+2·4	299·2	304·2	2nd	290·6	287·1	29th	294·9	+0·3	..	3	− 29
649	Kurrachee	24 53	66 57	4·0	1018·5	1018·9	−0·1	298·8	302·9	4th	288·1	284·2	18th	293·4	+0·1	*293·0*	13	+ 10
650	Hyderabad, Sind	25 24	68 18	29·3	1015·3	1018·9	+0·2	297·8	305·2	1st	283·6	279·7	18th	290·7	−1·0	..	0	− 2
651	Jaipur	26 56	75 52	436·5	968·2	1016·6	−0·3	297·7	302·0	3rd	280·8	276·7	17th	289·2	−1·1	*288·1*	0	− 6
652	Nagpur	21 8	79 5	310·2	981·2	1017·4	−1·2	300·7	303·2	11th	285·8	280·3	23rd	293·2	+0·2	*292·8*	60	+ 46
653	Allahabad	25 25	81 51	94·1	1006·7	1018·2	+0·9	297·7	301·6	8th	281·8	278·0	26th	289·8	+0·2	*288·7*	0	− 7
654	Calcutta	22 36	88 23	6·4	..	1015·0	−0·7	298·8	301·2	12th	287·1	283·7	24th	292·9	+0·7	*292·4*	30	+ 25
655	Gauhati	26 8	91 41	59·7	1011·3	1018·2	−0·2	297·7	299·7	3rd	284·6	281·1	17th	291·1	+0·7	..	1	− 5
655a	Cherrapunji	25 15	91 42	1314	871·3	..	−0·1	290·0	292·2	2nd	281·7	279·7	16th	285·9	+0·5	..	18	+ 8
656	Shillong	25 33	91 48	1500	852·7	..	+0·1	289·8	292·3	19th	278·3	276·2	15, 16, 31	284·1	+0·8	..	9	+ 3
656a	Akyab	20 11	92 56	6·1	1014·5	1015·2	−0·4	299·8	303·3	15th	290·5	287·2	17th	295·1	−0·3	*294·4*	65	+ 46
657	Phu Lien	20 48	106 37	115·6	1004·8	1018·5	−1·4	294·5	301·3	3rd	288·9	284·3	12th	291·7	+0·7	291·3	43	+ 14
658	Moncay	21 31	107 51	9	1018·0	1019·1	−0·8	294·0	301·1	4th	286·8	280·3	15th	290·4	+0·1	*289·6*	61	+ 30
659																		
660	Hong Kong	22 18	114 10	33·2	1015·1	1019·0	−0·9	292·8	297·2	5th	288·8	284·3	13th	290·8	+0·8	290·8	18	− 13
661	Taihoku, Formosa	25 2	121 31	9·3	1019·0	1020·1	−0·5	294·6	302·3	2nd	288·0	283·8	12th	291·3	+0·9	290·7	153	+ 71
662	Naha	26 13	127 41	10·5	1018·3	1019·6	+0·6	294·8	301·0	1st	288·3	281·5	20th	291·5	+0·9	291·3	145	+ 37
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. DECEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	779·9	..	−0·2	293·8	295·8	7th	280·5	277·6	10th	287·1	+1·6	286·9	2	− 5
718a	Oaxaca	17 4	96 44	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	1·9	..	..	..	..	303·6	..	..	294·1	..	..	..	..	265	+ 72
720	San Salvador	13 44	89 9	657	938·6	1011·8	+0·1	..	310·7	12th	..	287·0	..	296·5	+2·4	..	0	− 12
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·0	−1·0	303·1	304·6	12th	294·9	292·8	7th	299·0	+0·7	*298·4*	75	+ 21
722	Port au Prince	18 34	72 22	37·4	1010·0	1014·3	+0·1	304·2	306·1	25th	294·2	291·8	17th	299·2	+0·7	298·8	60	+ 19
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·4	1014·1	+0·7	301·7	303·2	5th	297·5	296·1	7th	299·6	+1·0	..	55	− 43
724	Grenada (Richmond Hill)	12 5	61 46	155·1	994·2	1012·0	−0·1	301·6	303·0	10th, 11th	296·4	293·0	30th	299·0	+0·4	*298·4*	141	− 47
725	Barbados	13 8	59 36	55·2	..	1013·9	+0·7	301·3	303·1	4th, 8th	297·1	293·8	21st	299·2	+1·1	*299·0*	128	+ 33
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·9	1016·1	+1·5	296·5	298·2	11th	293·4	292·0	16th, 17th	295·0	−0·7	*295·3*	3	− 4
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·9	1015·8	+1·5	298·7	301·0	14th	294·9	293·0	16th	296·8	+0·1	*296·7*	0	− 8
733	Bathurst	13 24	16 36	1·5	..	1013·2	+0·5	300·6	303·0	24th	290·1	284·7	30th, 31st	295·3	−0·4	..	0	− 3
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	307·6	309·7	14, 16, 19	288·9	283·0	29th, 30th	298·3	+0·1	..	0	− 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	288·7	283·0	29th	296·8	..	..	0	..
736	Timbouctou	16 43	W 3 1	270	..	..	..	301·8	305·9	6th	285·5	278·4	29th	293·7	−1·2	*293·4*	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	305·7	313·0	1st	288·7	284·1	26th	297·2	+0·6	..	0	0
738	Kaduna Junction	10 50	7 25	640	..	..	..	304·3	309·1	1st	285·3	283·0	17, 19, 21	294·8	−0·6	..	0	− 3
739	Maiduguri	11 47	13 11	361	..	..	..	308·3	311·9	1st	287·3	283·6	21st	297·8	+1·6	..	0	0
740	Katagum	12 17	10 22	330·7	..	..	..	..	..	..	..	..	..	..	..	..	1	− 21
742	El Obeid	13 11	30 14	585	949·7	1015·5	−0·7	305·2	311·1	1st, 4th	284·9	281·8	22nd	295·1	+0·3	*293·6*	0	0
743	Khartoum	15 37	32 33	390	969·9	1014·1	−0·1	304·6	310·0	3rd	289·9	284·9	22nd	297·3	+1·0	*296·3*	0	0
744	Port Sudan	19 37	37 13	5·9	1014·0	1014·7	+0·5	301·7	307·0	20th	294·9	291·6	22nd, 24th	298·3	+0·4	*297·8*	35	+ 20
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	300·8	301·9	1st, 5th	296·4	294·7	11, 30, 31	298·6	+0·2	*298·2*	0	− 3
746	Aden	12 45	45 3	28·7	1013·5	1016·7	+0·1	300·6	303·1	4th	296·4	293·6	31st	298·5	+0·3	*298·1*	0	− 6
751	Bombay	18 54	72 49	11·3	..	1012·9	−0·4	302·5	305·2	3rd	294·2	291·7	26th	298·3	+0·1	*297·9*	0	− 2
752	Bangalore	12 59	77 38	920	913·0	1012·1	−0·1	300·7	303·3	16th	288·8	284·0	27th	294·8	+1·5	*294·3*	6	− 6
752a	Kodaikanal	10 14	77 28	2343	772·2	..	−0·1	290·1	294·3	29th	282·7	278·6	27th	286·4	+0·6	*286·5*	299	+176
753	Madras	13 4	80 14	6·7	..	1013·0	−0·6	302·6	305·2	22nd	294·6	288·9	24th	298·6	+0·9	*298·1*	78	− 60
754	Waltair	17 45	83 16	68·9	1008·6	1016·4	−0·2	300·8	302·3	21st	293·4	289·5	25th	297·1	+0·5	*296·7*	0	− 27
755	Port Blair	11 40	92 40	17·7	1010·4	1012·4	−0·6	303·1	305·0	5th	298·2	296·2	7th	300·7	+0·4	*300·3*	290	+117
756	Rangoon	16 46	96 48	5·5	1014·0	1014·6	−0·2	303·6	305·8	12th	293·6	290·8	31st	298·6	+0·5	*297·7*	104	+100
757	Saigon	10 46	106 42	11·2	1010·3	1011·5	+0·4	304·6	306·2	21st	295·4	294·4	30th	300·0	+1·1	..	40	− 17
758	Nhatrang	12 16	109 12	3·7	1013·0	1013·5	+0·1	301·5	303·5	7th	295·0	291·9	31st	298·3	+0·5	..	193	+ 1
759	Bolinao	16 24	119 53	9·7	..	1011·8	+0·9	304·4	307·0	5th	296·2	292·0	31st	301·1	+1·0	300·5	5	− 7
760	Vigan	17 34	120 23	14·7	..	1011·8	+0·9	304·4	307·0	2nd	295·6	293·5	29th	300·0	+0·5	299·7	2	− 5
761	Manila	14 34	120 59	14·2	..	1012·3	+0·9	304·4	306·4	11th	294·5	291·4	29th	299·5	+0·2	298·3	52	− 11
762	Ormoc	11 0	124 36	5·6	..	1011·1	+2·0	304·3	305·8	7th, 9th	294·8	291·9	23rd	299·5	+0·7	299·2	115	− 79
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·8	302·8	2nd, 22nd	296·6	295·4	7, 9, 22	299·2	−0·4	..	136	+ 2
		N.	E.															

Between Latitude 10° N. and 0°. DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·8	309·2	18th	298·3	296·4	8th	302·1	+1·4	*300·9*	457	+233
819	Culebra	9 10	79 40	123·1	..	..	..	..	..	..	..	..	..	..	..	..	108	− 67
819a	Colon	9 23	79 23	7·6	..	1009·9	−0·8	302·4	304·7	11th	298·6	296·9	13th	300·5	+1·1	..	226	− 71
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	103	+ 30
822	Caracas	10 31	66 56	1025	898·5	..	−0·1	..	..	..	..	..	..	292·7	+1·1	..	25	− 23
823	El Peru, Guayanavieja	7 30	62 0	? 300	985·4	..	..	302·8	304·6	7th	294·8	293·2	29th	298·8	..	..	58	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·8	+1·6	302·2	303·6	17th	297·5	296·3	26th	299·8	+0·3	..	165	−119
826	Paramaribo	5 49	55 9	4	..	1013·1	+1·0	..	..	..	..	..	..	299·6	+0·4	*299·6*	133	− 89
826a	Cayenne	4 56	52 21	6	..	..	..	303·1	305·0	9th	296·5	293·0	12th	299·8	−0·1	*299·5*	183	− 89
833	Conakry	9 31	13 43	16	1009·6	1011·4	+0·4	304·0	304·8	..	297·2	294·2	..	300·6	+0·4	*300·3*	0	− 8
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·9	1011·8	+0·7	304·8	306·2	6th	296·7	293·6	31st	300·8	+0·3	..	37	− 1
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·3	305·2	6th	296·0	294·7	2nd	300·1	0·0	..	43	+ 15
836	Accra	5 35	W 0 6	18	..	..	..	302·4	303·6	5th	296·7	293·6	3rd	299·6	−0·1	..	37	+ 18
837	Lagos	6 27	E 3 24	1·8	..	1010·8	+0·3	304·1	305·8	..	297·0	293·6	..	300·6	+0·2	..	17	− 4
838	Zungeru	9 49	6 10	185·3	..	1013·1	+1·5	307·3	309·1	14th	292·3	289·7	17th	299·8	+0·6	..	0	− 2
838a	Libreville	0 23	9 26	35	..	..	..	304·3	305·6	10th, 15th	294·5	292·6	27th	299·4	+0·2	..	331	+ 94
839	Yola	9 12	12 30	259	..	..	..	307·1	310·2	1st, 4th	292·6	286·3	22nd	299·9	+0·5	..	0	0
841	Wau	7 42	28 3	440	961·2	1010·0	−1·5	310·6	313·0	11, 25, 31	293·0	293·0	30 days	?301·8	+2·3	*300·0*	0	0
842	Malakal (Kodok)	9 53	32 8	387·5	966·3	1009·6	−0·3	309·5	311·6	2, 3, 4	289·8	286·5	23rd	299·6	+0·8	*298·6*	0	0
843	Entebbe	0 5	32 29	1171	883·7	..	0·0	299·2	301·3	28th, 29th	290·3	289·1	28th, 30th	294·8	+0·1	*293·8*	80	− 53
844	Mongalla	5 11	31 47	439·0	959·3	1008·1	−0·1	308·9	310·5	19th, 29th	292·6	291·5	sev. dates	300·8	+0·5	*299·7*	0	− 7
845	Harrar	9 42	42 30	1856	..	..	..	298·0	301·0	4, 9, 11	286·6	285·0	28, 30, 31	292·3	+0·1	..	16	+ 6
851	Cochin	10 0	76 21	2·7	1012·6	1012·8	−0·4	304·2	307·8	8th	296·4	293·4	27th	300·3	+0·2	*299·9*	182	+141
852	Colombo Observatory	6 54	79 53	7·3	1009·8	1010·6	+0·9	303·0	305·5	3rd	295·8	294·1	25th	299·4	−0·1	*299·0*	74	− 66
852a	Newera Elija	6 59	80 47	1886	..	..	..	293·2	295·4	5th	284·6	277·1	26th	288·9	+1·6	..	270	+ 45
853	Trincomalee	8 34	81 14	30·2	1007·8	1011·3	+0·5	300·7	304·0	22nd	296·7	295·7	26th, 29th	298·7	−0·2	..	388	+ 31
855	Medan	3 35	98 41	23·5	..	1010·2	−1·1	303·1	305·4	17th	295·3	293·6	26th	299·2	..	298·5	155	− 82
856	Kota Radja	5 32	95 20	7·1	..	1010·1	−1·4	..	..	..	..	..	..	..	..	..	211	− 13
857	Penang	5 34	100 20	6·3	1009·5	1010·2	0·0	304·3	306·9	18th	296·1	295·2	31st	300·2	0·0	..	156	+ 37
858	Singapore	1 17	103 51	3·0	1010·1	1010·4	+0·5	304·0	306·3	9th	296·8	295·5	30th	300·4	+0·9	..	187	− 87
860	Sandakan	5 49	118 12	..	..	..	..	304·4	305·2	sev. dates	297·2	295·8	2nd	300·8	+1·2	..	147	−296
861	Tagbilaran	9 38	123 51	26·2	..	1010·4	+1·6	304·2	305·7	20th	295·2	293·1	28th	299·7	−0·2	298·9	74	− 84
861a	Menado	1 30	124 50	3·5	..	1009·0	+0·6	304·3	305·5	15th	296·9	295·7	15th	300·6	..	300·3	349	− 19
862	Surigao	9 48	125 29	6	..	1010·6	+1·7	302·4	304·3	1st	295·7	293·7	29th	299·1	+0·2	299·0	450	− 71
863	Yap	9 29	138 8	31·9	..	1008·6	..	..	..	..	..	..	..	..	..	..	75	−129
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DECEMBER—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1008·3	1009·3	−0·4	..	..	..	..	..	..	..	+1·2	*302·1*	66	+ 47
906																		
923	Manaos	3 8	59 59	44·9	1004·0	1009·1	+1·8	..	311·6	9th	..	296·0	..	300·8	+0·5	..	252	+ 43
925	Turyassu	1 25	45 15	15·1	1008·9	1010·6	..	..	308·6	6th	..	293·9	..	301·0	..	..	4	..
929	Quixeramobim	5 16	39 15	207·0	988·2	1011·6	+0·7	..	308·7	..	..	296·6	..	302·2	+0·6	*302·1*	1	− 29
930	Fernando Noronha	3 50	W32 20	93·0	1000·5	1011·2	0·0	..	302·4	..	..	294·4	..	298·8	+0·2	..	10	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	299·2	300·8	23rd, 31st	?288·5	?286·2	6th	?293·9	+0·7	*292·9*	52	− 69
943a	Masaka	0 21	31 47	?1280	..	..	..	297·6	300·8	29th	288·8	288·0	1, 12, 27	293·2	..	*292·9*	36	− 58
944	Nairobi	1 18	36 59	1661	..	..	..	296·9	299·7	19th	285·1	281·1	29th	291·0	+0·7	..	27	− 35
944a	Zanzibar	6 10	39 11	21·9	1012·0	1014·5	+1·0	303·4	304·5	26th	299·7	298·2	2nd	301·5	+0·5	*299·6*	111	
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·0	304·7	7th	298·6	298·0	16th	300·8	..	..	0	− 27
947	Seychelles, Port Office	4 37	55 27	4·6	1011·6	1012·1	+1·0	301·7	302·7	10th	297·8	296·6	2nd	299·8	+0·4	..	286	− 61
957	Padang	0 56	100 22	6·7	..	1011·2	−0·1	303·6	305·2	18th	296·4	295·4	4th	300·0	..	299·3	482	− 12
958	Batavia	6 11	106 50	8	1009·3	1010·2	+0·6	303·4	306·0	4th	297·0	295·7	18th	300·2	+0·9	299·7	200	− 10
958a	Pontianak	0 1	109 20	2·6	..	1010·9	+1·6	304·4	306·7	16th	296·7	295·9	2nd	300·5	..	299·5	489	+134
959	Passeroean	7 38	112 55	5·0	..	1009·5	+0·5	304·8	307·0	3rd	295·8	294·5	27th	300·3	−0·2	299·6	218	+ 57
960	Kajoemas	7 56	114 9	950	..	..	..	296·5	300·3	1st	291·0	290·5	9th	293·7	..	293·0	325	− 63
962	Ambon	3 42	128 10	4·2	..	1009·6	+1·1	303·8	306·7	20th	296·0	293·1	9th	299·9	+0·2	299·4	86	− 54
963	Manokwari	1 10	134 20	19·0	..	1009·6	..	302·5	304·2	27th	296·7	295·8	10th	299·6	..	299·0	373	+ 84
965	Daru	9 4	143 13	7·6	..	?1010·1	+0·6	304·7	..	..	297·9	..	..	301·3	+0·8	..	46	−148
966	Port Moresby	9 29	147 9	39·0	..	1009·4	+0·5	304·0	..	..	297·4	..	..	300·7	−0·6	..	73	− 21
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	
968	Rendova	8 30	157 12	1·8	..	1008·3	+1·5	..	..	..	..	..	..	..	..	..	..	−109
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·0	1008·2	+1·1	305·0	306·9	25th, 31st	298·1	296·3	19th, 27th	301·6	+0·6	..	122	−151
970	Ocean Island	0 52	169 35	25·6	1003·7	1006·7	−0·6	304·0	305·9	22nd	297·4	295·3	30th	300·7	−0·4	*300·0*	386	+182
		S.	E.															

DECEMBER—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	2	..	1009·5	+1·6	..	304·8	..	..	295·2	..	..	+0·8	299·8	258	−105
1003	Alofi, Niue Island	19 2	169 55	36·6	1009·4	1013·6	+2·2	304·9	308·0	17th	294·4	291·3	12th	299·7	+0·2	..	59	−185
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	295·3	297·2	30th, 31st	291·0	290·0	17th, 18th	293·1	+1·2	*294·5*	0	0
1022	Arequipa	16 22	71 33	2451	760·9	..	+0·4	295·2	297·3	26th	281·9	278·9	16th	288·5	+0·9	*287·9*	0	− 3
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·7	..	..	296·5	..	..	282	..	..	289	0	..	98	− 13
1026	Cuyaba	15 35	56 0	235	990·0	1016·7	+0·6	..	308·2	..	..	293·5	..	301·0	+0·6	..	126	− 71
1027	Bello Horizonte	19 55	43 56	857	918·8	1014·2	..	299·2	305·6	2nd	290·3	287·2	8th	294·7	..	..	263	− 55
1028	Cætite	14 2	42 37	900	912·9	1012·2	−1·4	..	307·0	..	..	289·2	..	296·2	+0·7	*296·1*	85	− 55
1029	Ondina	13 12	38 30	46·6	1007·3	1012·7	..	..	304·6	..	..	293·9	..	298·5	..	..	210	− 72
1030	Aracaju	10 55	37 4	4·3	1012·8	1013·3	+0·5	..	303·5	..	..	295·0	..	299·6	−0·1	..	19	
1035	St. Helena	15 57	W 5 40	632	944·8	1016·4	−2·1	294·1	299·2	1st	286·4	285·2	6th	290·2	+0·6	*289·8*	81	+ 27
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	857·6	..	+0·1	299·5	304·1	20th	..	..	..	..	..	..	378	+259
1043	Salisbury, Rhodesia	17 48	31 5	1472	857·0	..	+0·7	300·6	305·8	22nd	288·6	286·9	17th	294·6	+0·5	..	173	+ 18
1044	Zomba	15 23	35 18	899	..	1009·6	+1·0	301·9	304·7	22nd	291·0	289·7	1, 2, 7	296·4	+0·5	*295·2*	188	−105
1045	Sainte-Marie	17 0	49 51	15	..	..	..	302·5	304·2	28th	296·1	294·8	1st	299·3	..	..	211	..
1046	Tananarivo	18 55	47 32	1400	866·4	..	+2·9	300·8	303·6	25th	288·2	285·0	24th	294·5	+1·3	*294·0*	76	−232
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·8	1008·4	+0·3	304·1	306·3	..	297·7	296·4	..	300·9	+0·7	..	248	+ 45
1058																		
1061	Koepang	10 10	123 34	53	..	1010·3	+2·0	304·6	308·5	9th	296·9	295·2	7th	300·7	..	300·6	231	− 22
1061a	Derby	17 18	123 40	16·2	..	1009·8	+2·3	307·7	311·1	4th	299·1	296·1	16th	303·4	−0·4	..	158	+ 44
1062	Hall's Creek	18 13	127 46	373·6	..	1009·0	+1·9	308·2	311·9	31st	296·5	293·1	20th	302·3	−1·4	..	220	+134
1063	Port Darwin	12 28	130 51	29·6	..	1008·9	+2·3	306·3	308·1	16th	298·8	296·5	27th	302·6	0·0	302·1	213	− 51
1064	Daly Waters	16 16	133 23	210·6	..	1005·8	0·0	311·5	315·2	17th	298·5	295·2	8th	305·0	+0·8	*304·4*	69	− 55
1065	Mein	13 13	142 47	121·9	..	1007·3	+0·9	307·3	311·4	8th	295·7	292·4	4th	301·5	0·0	..	122	− 46
1066	Georgetown, Queensland	18 22	143 32	301·8	..	1008·9	+1·0	308·1	312·6	15th	296·7	293·6	19th	302·4	+0·6	..	107	
1067	Samarai	10 37	150 40	..	..	1009·7	+0·5	302·9	..	..	297·0	..	..	299·9	−0·5	..	66	− 50
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1010·8	1011·4	+1·6	302·1	305·5	7th	296·2	294·1	24th, 27th	299·1	0·0	..	420	+112
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. DECEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	1012·1	1012·8	+2·4	301·1	302·4	31st	295·9	293·8	6th	298·5	+0·6	..	46	−132
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·2	1013·6	−1·1	292·1	294·0	30th	282·8	280·3	8th	287·5	+0·3	*289·0*	0	0
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1007·6	1015·1	+2·9	303·3	312·9	27th	291·6	283·8	9th	297·5	−0·8	*297·3*	269	+157
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	913·1	1014·7	+1·5	..	305·6	..	..	283·2	..	..	−0·9	..	115	− 45
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·0	1013·2	0·0	..	306·5	..	..	291·6	..	..	−0·5	297·1	160	+ 20
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	296·8	300·4	31st	287·0	285·3	30th	291·9	+0·5	..	195	+ 72
1142	Kimberley	28 42	24 47	1202	880·0	..	0·0	304·4	310·3	30th	289·3	285·2	25th	296·9	−0·1	296·6	114	+ 60
1142a	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	1012·4	−0·3	303·3	313·7	10th	295·3	292·9	7th	299·3	+0·8	298·7	134	+ 26
1144	Lorenzo Marques	25 58	32 36	59	1009·1	1015·4	+1·4	301·8	304·5	25th	294·0	291·1	18th, 19th	297·9	−0·7	297·7	50	− 70
1147	Mauritius	20 6	57 33	54·3														
1159	Onslow	21 43	114 57	4·3	..	1007·6	+0·4	307·8	315·1	18th	295·4	292·5	26th	301·6	−0·1	..	0	− 3
1160	Peak Hill	25 38	118 47	588	..	1006·2	+0·5	309·5	313·8	27th	295·8	288·6	23rd	302·7	−0·3	..	81	+ 66
1161	Nullagine	21 53	120 5	386	..	1006·9	+1·2	311·4	314·1	5th	298·2	294·4	24th	304·8	+0·2	..	23	− 11
1162	Laverton	28 40	122 23	466	..	1010·9	+1·4	307·7	314·7	25th, 26th	293·1	285·9	23rd	300·4	0·0	..	33	+ 15
1163	Alice Springs	23 38	133 37	587	..	1007·6	+0·5	308·4	311·9	19th	295·1	289·4	10th	301·7	+0·5	301·6	36	+ 5
1164	William Creek	28 55	136 21	76·2	..	1009·1	−1·0	309·6	318·0	13th	295·8	290·5	30th	302·7	+2·1	*302·5*	50	+ 40
1165	Boulia	22 55	139 38	146	..	1006·3	+0·5	316·4	318·0	22, 23, 24	298·3	293·0	21st	307·3	+3·3	..	42	+ 4
1166	Mitchell	26 32	147 52	336	..	1007·0	−1·3	307·9	313·6	15th	294·4	291·1	1st	301·2	+2·0	..	102	+ 38
1167	Rockhampton	23 24	150 30	11·3	..	1010·7	+0·2	306·3	313·2	16th	295·0	292·2	1st	300·7	+0·6	..	129	+ 20
1168	Brisbane	27 28	153 2	41·7	..	1011·0	−1·0	303·7	309·6	16th	293·3	288·4	3rd	298·5	+0·8	..	125	0
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	117	..	..	..	297·9	303·4	15th	292·2	289·9	1st, 7th	295·1	+1·1	..	26	− 58
		S.	E.															

Between Latitude 30° S. and 40° S. DECEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1220	Juan Fernandez	33 37	78 50	10	..	..	..	292·3	295·6	24th	285·3	283·0	7th	288·8	−1·5	*288·8*	28	+ 14
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1009·9	1014·7	−0·1	294·8	300·7	8th	285·6	282·9	7th	290·2	−0·9	*289·3*	0	− 5
1222	Santiago	33 27	70 42	520	953·5	1013·2	0·0	299·9	305·8	21st	283·9	277·5	8th	291·9	−0·8	*290·8*	0	− 5
1222a	Concepcion	36 50	73 3	15	1013·4	1015·2	..	295·2	305·6	14th	283·0	278·7	2nd	289·1	..	*289·3*	19	..
1223	Cordoba	31 25	64 12	439	962·7	1010·7	+3·1	301·1	310·4	25th	287·5	278·1	9th	294·3	−1·0	293·9	220	+102
1224	Bahia Blanca	38 45	62 15	20	1008·3	1010·2	+1·7	297·9	306·4	27th	287·7	278·1	9th	292·8	−0·9	*292·5*	68	− 31
1225	Buenos Ayres	34 16	58 22	25·2	1010·2	1013·1	+0·5	297·8	306·5	31st	291·4	287·0	9th	294·6	−1·1	294·4	54	− 7
1225a	Rio Grande	32 2	52 9	2	1011·2	1011·4	+0·9	..	304·2	28th	..	285·0	8th	..	−1·0	293·4	92	+ 21
1226	Montevideo	34 55	W56 13	24·9	..	1012·3	+0·9	297·1	302·7	31st	286·8	281·1	21st	291·9	−0·9	*290·6*	13	− 9
1239	Cape Town	33 56	E18 29	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1013·5	+0·2	300·6	308·9	16th	289·3	283·7	22nd	294·9	+0·5	..	12	− 3
1260	Katanning	33 42	117 35	310	..	1014·3	+1·2	300·5	310·1	9th	287·1	280·7	22nd	293·8	+0·4	..	45	+ 31
1261	Coolgardie	30 57	121 10	423	..	1011·5	+0·5	304·6	313·4	11th	290·3	283·0	24th	297·4	+0·1	..	17	− 1
1262	Eucla	31 45	128 58	4·6	..	1013·1	+0·1	296·8	311·3	11th	290·3	285·1	15th	293·5	−0·1	..	18	+ 7
1263	Streaky Bay	32 48	134 13	13·1	..	1014·3	+0·6	302·5	312·7	11th	289·0	283·6	8th	295·7	+1·4	..	20	+ 10
1264	Adelaide	34 56	138 35	42·7	..	1013·2	0·0	302·2	312·3	24th	289·4	284·1	8th	295·8	+1·0	*295·3*	15	− 9
1265	Melbourne	37 49	144 58	35·1	..	1012·8	+0·3	296·5	304·6	25th	287·5	284·2	20th	292·0	+1·1	291·4	82	+ 23
1266	Bourke	30 13	145 58	110	..	1010·3	−0·3	309·2	317·4	13th	294·6	288·0	1st	301·9	+0·7	..	43	+ 12
1267	Sydney	33 51	151 13	44·5	..	1011·5	−0·4	299·5	311·6	12th	291·8	287·9	9th	295·7	+1·6	..	181	+114
1268	Lord Howe Island	31 20	159 0	4·6	..	1015·0	..	298·1	301·1	21st	292·2	284·9	2nd	295·2	..	..	186	+ 62
1271	Auckland	36 50	174 50	38·1	..	..	..	292·6	296·3	7th	285·2	282·2	20th	288·9	−1·7	..	45	− 29
1272	Napier	39 32	176 53	21·3	..	1010·5	−1·1	296·9	303·6	7th	283·6	278·3	23rd	290·3	−0·8	..	17	− 47
		S.	E.															

Between Latitude 40° S. and 50° S. DECEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	103·6	..	1008·0	..	287·9	293·0	8th	280·5	275·8	3rd	284·2	−1·9	..	66	+ 5
1302																		
1321	Isla Huafo	43 34	74 45	140	999·4	1016·3	+0·6	286·5	289·9	29th	282·1	278·8	1st	284·3	−0·1	*284·0*	43	− 13
1322	Punta Galera	40 1	73 44	40	1011·9	1016·7	+0·3	289·3	295·5	15th	282·7	279·0	7th	286·0	+0·1	*286·1*	65	− 13
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1011·5	+1·8	291·1	299·0	10th	283·8	279·1	7th	287·5	−1·3	*286·7*	68	+ 18
1366	Launceston	41 27	147 10	10·1	..	1011·1	+2·1	296·3	302·9	28th	284·1	278·6	7th	290·2	+0·7	..	60	+ 8
1367	Rockhampton	23 24	150 30	11·3	..	..	..	306·3	313·2	16th	295·0	292·2	1st	300·7	+0·6	..	129	+ 20
1368	Brisbane	27 28	153 2	41·7	..	1011·0	−1·0	303·7	309·6	16th	293·3	288·4	3rd	298·5	+0·8	..	125	0
1369	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1370	Norfolk Island	29 5	167 53	117	..	..	..	297·9	303·4	15th	292·2	289·9	1st, 7th	295·1	+1·1	..	26	− 58
		S.	E.															
1371	Dunedin	45 52	170 31	91	..	1006·3	−4·3	293·2	298·7	5th	280·6	274·2	22nd	286·9	−1·7	..	59	+ 11
1371a	Christchurch	43 32	172 38	7·6	..	1009·9	−1·5	290·4	295·2	19th	283·9	278·6	2nd	287·2	−1·6	..	51	− 31
1372	Wellington	41 16	174 46	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·5	1006·2	+3·9	283·7	285·2	29th, 31st	278·9	275·6	6th	281·3	+0·4	*281·0*	275	+17
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·4	1003·9	+5·3	287·3	294·6	26th	279·5	273·7	7th	283·4	+0·4	*283·4*	73	+35
1423	Punta Dungeness	52 24	68 26	5	1002·8	1003·4	+2·9	286·1	291·2	23rd, 24th	278·7	274·5	11th	282·4	−0·7	*282·8*	62	+35
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	995·1	1001·2	..	282·5	286·4	26th	277·6	275·2	11th	280·0	..	279·9	56	..
1425	Cape Pembroke	51 41	57 42	21	1001·9	1003·7	+3·8	284·7	290·2	23rd	277·9	275·2	7th	281·3	+0·3	281·2	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	1000·6	+5·1	282·3	290·9	20th	274·2	271·5	7th	278·3	+1·0	*277·8*	54	−36
1467	Macquarie Island	54 30 S.	158 57 W.	9·1	..	995·9	−2·3	279·3	281·5	15th	275·6	272·9	1st	277·5	..	..	91	..

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527 1528	South Orkneys	60 44 S.	44 39 W.	6·7 metres.	992·5 mb.	993·4 mb.	−1·2 mb.	275·5 a.	281·7 a.	28th	270·1 a.	267·5 a.	5th	272·8 a.	+0·7 a.	272·9 a.	38 mm.	+15 mm.

* Mean of max. and min. or of observations at fixed hours. Estimates not based on at least six equally spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—DECEMBER 1914.

Date.	St. Helena.* 1035. Direction in Degrees. 3 h.	9 h.	15 h.	21 h.	Mean Velocity for the Day.	Fanning Island. 805. Direction and Force. 9 h.	21 h.	Sierra Leone. 803. Direction and Force. 9 h.	17 h.	Malden Island. 834. Direction. 9 h.	Tulagi. 969. Direction and Force. 9 h.	Ocean Island. 970. Direction and Force. 9 h.	21 h.	Suva, Fiji. 1072. Direction and Force. 9 h.
					m/s.									
1	160	150	160	160	5·7	SE 3	NE 2	E 2	SW 1	E	SE 3	SW 4	W 3	E 4
2	150	150	135	135	5·6	NE 3	NE 2	Calm 0	SW 1	W	SE 4	SSW 5	W 5	SE 3
3	150	150	135	120	7·3	NE 3	SE 2	E 1	W 1	SW	SE 3	WSW 5	W 3	E 4
4	150	150	135	150	7·8	SE 3	SE 4	E 1	SW 1	SW	SE 3	W 6	W 6	SE 4
5	150	150	160	150	8·5	E 4	E 2	E 1	SW 1	SW	Calm 0	SW 5	W 6	S 3
6	150	150	150	160	8·3	NE 2	Calm 0	E 1	Calm 0	NE	Calm 0	W 5	W 5	SW 3
7	160	160	160	160	5·1	NE 4	NE 2	E 1	SW 1	E	Calm 0	WSW 4	W 4	E 2
8	160	135	150	150	6·5	E 3	E 1	E 1	SW 1	SE	Calm 0	SW 5	W 2	NE 2
9	135	150	135	150	7·4	SE 4	Calm 0	E 1	W 1	E	Calm 0	SSW 4	SW 2	NE 3
10	150	135	120	150	7·6	NE 4	NE 2	E 1	W 1	E	NW 3	W 2	W 2	SE 3
11	150	135	150	150	6·9	NE 2	Calm 0	Calm 0	W 1	E	Calm 0	N 3	Calm 0	SE 3
12	150	135	150	160	6·6	NE 3	NE 2	E 1	SW 1	E	SE 1	N 3	Calm 0	SE 3
13	160	150	150	150	9·3	NE 3	NE 2	E 2	SW 1	E	SE 2	Calm 0	Calm 0	SE 4
14	160	150	150	150	9·5	NE 4	Calm 0	E 1	W 1	E	Calm 0	Calm 0	Calm 0	SE 4
15	150	135	160	150	9·4	NW 3	NE 5–6	E 1	W 1	E	SE 1	WSW 2	Calm 0	SE 3
16	150	135	150	150	7·9	NE 4	NE 2	E 1	W 1	E	SE 2	NW 1	SSW 5	SE 3
17	150	135	135	135	5·4	E 2	NE 2	E 1	Calm 0	E	SE 3	W 2	W 1	SE 3
18	160	135	150	150	6·0	SE 3	E 2	E 1	SW 1	E	Calm 0	WNW 2	W 2	SE 3
19	150	135	150	150	6·3	NW 2	NE 3	Calm 0	Calm 0	E	SE 1	N 2	Calm 0	SE 4
20	150	150	150	150	5·1	NW 2	NW 2	E 2	Calm 0	NE	SE 4	NNE 2	Calm 0	SE 5
21	150	160	160	150	8·8	N 4	NE 4	E 1	SW 1	NE	E 1	Calm 0	Calm 0	E 2
22	150	150	160	150	8·2	NE 3	E 3	E 1	Calm 0	NE	Calm 0	E 2	Calm 0	NE 1
23	150	150	150	150	8·0	E 2	E 2	E 1	Calm 0	NE	Calm 0	NE 2	Calm 0	NE 1
24	150	150	150	150	8·9	SE 2	E 2	E 1	Calm 0	SE	Calm 0	E 1	Calm 0	SE 9
25	135	150	135	150	7·8	SE 2	Calm 0	E 2	Calm 0	NW	W 1	Calm 0	Calm 0	S 3
26	150	135	150	135	6·7	NE 3	N 3	E 2	Calm 0	NE	N 2	Calm 0	Calm 0	SW 2
27	135	150	150	150	7·7	NE 4	NE 3	E 2	SW 1	N	Calm 0	ESE 3	WSW 5	S 1
28	150	135	150	135	6·6	NE 3	NE 3	E 4	Calm 0	NE	NW 1	SSW 3	Calm 0	NE 1
29	150	150	150	150	5·7	SE 4	E 2	E 4	Calm 0	NE	NW 1	ESE 2	Calm 0	NE 2
30	135	120	120	120	4·9	E 4	NE 4	E 1	Calm 0	SE	Calm 0	ENE 3	W 2	NE 1
31	120	120	120	120	4·9	E 3	NE 4	E 2	Calm 0	E	NW 1	ENE 1	Calm 0	NE 1
Mean	149	143	146	146	7·1	3·1	2·2	1·3	0·6	..	1·2	2·5	1·7	2·9
Resultant†	146°			..		60° (64)		120° (25)		80° (59)	130° (21)	265° (29)		115° (65)
Normal †	143°			7·8		110° (77)		24° (6)		70° (81)	121° (9)	101° (20)		99° (52)

* Direction and velocity of the South-East Trade Wind at 632 metres. † Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1914.

**Iceland.*—" The coasts were free."

North Atlantic and Labrador.—" A few icebergs were observed on the Newfoundland Banks, Scattered ice appeared in Belle Isle Strait. The Gulf of St. Lawrence and Cabot Strait were free. The eastern limit of ice was 42° W. and the southern limit 45° N."

**Davis Strait.*—" South Greenland coast free of ice. The inner part of Disko Bay froze up at the beginning of the month."

* *Isforholdene i de arktiske Have, 1914* and *1915*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1914.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1914 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

YEAR—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1005·6	1008·1	−2·4	..	..	..	260·3	238·7	Feb. 6	..	−1·3	*263·1*	217	− 9
126																		
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1005·4	1006·9	−4·8	..	284·7	July 21	260·2	231·7	Jan. 29	..	..	264·1	270	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1005·0	1005·8	−2·2	..	301·1	Aug. 8	273·2	260·5	March 19	..	+1·0	*275·8*	927	+286
142	Mehavn	71 1	27 47	6·4	1005·1	1005·9	−2·1	..	295·9	Aug. 8	272·5	257·4	March 19	..	+0·9	*275·0*	700	− 42
143	Vardö	70 22	31 8	10·0	1005·2	1006·5	−2·5	..	290·4	July 8, Aug. 10	272·0	258·8	Feb. 23	..	+0·8	*274·5*	709	+ 88
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N.

YEAR—ZONE 2.

203	Nome	64 31	165 24	6·1	1007·7	1008·5	−0·3	274·8	296·3	Aug.	267·8	234·1	Jan.	271·3	+1·7	..	440	+ 48
204	Candle	65 55	161 57	? 2·4	..	..	..	273·9	300·8	June 22	263·8	228·6	March 11	268·9	..	..	..	..
205	Tanana	65 12	152 0	? 74	1001·4	?1010·8	..	274·6	303·0	June	264·6	228·6	Feb.	269·6	+1·8	..	270	− 35
206	Rampart	65 30	150 15	?122	..	..	..	275·7	306·3	June 15	263·1	228·6	Feb. 1	269·4	..	..	148	−102
207	Valdez	61 6	146 13	3·1	1008·0	1008·4	−1·1	279·5	296·3	July	270·7	250·2	Dec.	275·1	+0·1	..	1136	−239
208	Eagle	64 46	141 12	250	979·1	1010·3	−0·7	276·3	304·1	June	263·6	226·3	Jan. 27	268·9	+1·1	..	234	−122
209	Dawson	64 4	139 20	328	972·3	1013·4	−0·8	274·2	301·9	June 16	263·6	226·3	Jan. 27	268·9	+1·1	..	234	−122
210	Carcross	60 11	134 34	662	..	..	..	276·4	296·3	June 16, 17	265·9	230·2	Jan. 28	271·1	−0·3	..	192	− 37
211																		
212	Fort Simpson	61 52	121 35	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 20	161	995·6	1016·2	..	272·8	301·9	June 13	263·3	227·4	Feb. 3, 10	268·1	−0·6	..	318	..
214	Fort Resolution	61 10	113 50	240	..	..	..	272·1	304·7	June	262·9	227·4	Feb.	267·5	..	..	311	..
225	Jacobshavn	69 13	51 2	12·6	1004·3	1005·9	−3·8	269·0	290·4	July 16	261·7	236·7	Feb. 4	265·3	−2·0	*265·4*	159	− 66
226	Godthaab	64 11	51 44	9·0	999·9	1001·1	−4·7	..	..	..	267·2	249·6	Jan. 11, 12	..	−1·3	*269·7*	310	−295
229	Angmagsalik	65 37	37 34	31·7	999·9	1003·9	−3·2	275·1	292·7	Aug. 7	266·7	247·6	Feb. 23	270·9	−0·6	*270·4*	1410	+466
230																		
231	Stykkisholm	65 5	22 46	11·3	1002·2	1003·6	−2·6	278·4	293·5	Aug. 16	273·0	261·5	March 9	275·7	−0·2	*275·6*	606	− 44
232	Vestmanno	63 26	20 15	7·7	1001·1	1002·0	−3·9	280·6	294·4	July 26	275·3	264·3	April 8	277·9	−0·2	*278·0*	1589	+237
233	Grimsey	66 33	17 58	22·0	1003·5	1004·4	−3·1	276·8	292·5	Aug. 15	272·1	261·6	Nov. 12, 13	274·5	−0·3	*274·3*	103	−178
234	Berufjord	64 40	14 19	18·0	1001·2	1003·4	−3·8	279·6	291·2	July 14	273·4	261·1	Nov. 12	276·5	+0·4	*276·5*	1029	−135
235	Thorshavn	62 3	6 45	25·7	1003·0	1006·1	−2·5	281·8	289·7	July 6	276·7	266·6	Nov. 13	279·3	0·0	..	1196	−282
236	Lerwick	60 9	W 1 8	18·0	1005·9	1008·1	−1·2	282·8	291·9	July 10	278·9	270·8	Dec. 13	280·8	+0·7	*280·6*	1143	+179
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1004·4	1009·8	−1·7	..	302·0	July 5	278·3	265·4	Jan. 13	..	+0·7	*280·8*	1897	−143
238	Christiansund	63 7	7 45	17·8	1006·3	1008·4	−1·9	..	301·2	July 5	277·4	266·4	Jan. 10	..	+1·0	*280·5*	1340	+209
239	Trondhjem	63 26	10 25	39·5	1004·6	1009·4	−1·2	..	304·7	July 4	275·6	255·1	Jan. 13	..	+1·2	*279·0*	773	−189
240	Bodö	67 17	14 24	20·5	1005·1	1007·6	−1·5	..	301·6	July 5	274·9	258·0	Jan. 6	..	+0·6	*277·7*	964	− 11
241	Haparanda	65 50	24 9	9·2	1007·7	1008·9	−2·2	278·4	304·0	July 5	270·8	241·8	Jan. 11	274·6	+1·1	*274·4*	487	+ 19
242	Helsingfors	60 10	24 57	11·7	1010·4	1011·9	−1·2	281·3	304·1	July 10	275·8	248·7	Jan. 8	278·5	+1·2	278·6	556	− 55
242*a*	Kuopio	62 54	27 40	99·7	998·8	1010·0	−2·7	280·2	306·7	July 9	272·4	239·0	Jan. 17	276·3	+1·1	*276·5*	439	−138
243	Kola	68 53	33 1	6·7	..	..	..	..	..	..	..	243·0	March 19	..	..	..	..	..
244	Petrozavodsk	61 47	34 23	38·9	..	1012·0	−1·4	..	307	July	..	242	Jan.	..	+1·6	*276·8*	442	−114
245	Arkhangelsk	64 33	40 32	6·7	..	1010·2	−1·5	..	300	June	..	238	Jan.	..	+0·3	*273·6*	362	− 65
246	Velsk	61 5	42 7		..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Oust-Tsylma	65 27	52 10	? 25	..	..	..	..	303	Aug.	..	230	Jan.	..	..	..	..	..
248	Troitsko-Petcherskoe	62 42	56 13	?123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249	Berezov	63 56	65 4	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Olekminsk	60 22	120 26	?135	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Verkhoïansk	67 33	133 24	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo sur Anadyr	64 45	170 50	25·9	..	..	..	..	..	..	..	..	224·1	Nov. 29	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Estimates not based on at least six equally spaced observations each day are in *italics*.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301																		
302		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
303	Dutch Harbour	53 55	166 30	4·0	1009·6	1010·1	+2·2	281·4	298·6	July 26,Sept. 14	275·4	263·0	Jan. 9	278·4	+1·1	..	1479	−147
304																		
305	Kodiak	57 47	152 22	3·7	..	..	..	..	..	..	275·3	261·9	Nov. 22	..	..	..	1893	+452
306																		
307																		
308																		
309	Sitka	57 4	135 20	27·4	1007·0	1010·3	−0·6	283·7	296·3	July	276·9	256·9	Jan.	280·3	+0·8	..	1831	−238
310	Prince Rupert	54 18	130 18	52	1004·7	1011·9	−0·6	284·1	298·0	May 21, 22	278·3	259·7	Jan. 27	281·2	+0·7	..	2666	− 21
311	Barkerville	53 2	121 35	1274	866·6	1013·7	−0·5	279·8	296·9	June 16	269·8	241·3	Jan. 28, Feb. 5	274·8	−0·3	*274·8*	1012	+133
312	Kamloops	50 41	120 29	380	972·9	1014·4	+0·3	287·2	308·1	July 3	276·3	245·2	Feb. 5	281·8	+0·2	*281·7*	273	− 6
313	Calgary	51 2	114 2	1033	892·3	1013·5	−0·6	284·7	308·6	Aug. 3	270·8	239·1	Feb. 5	277·7	+1·5	*277·8*	450	+ 33
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	437	961·0	1014·4	+0·2	279·7	306·9	July 12	268·6	229·1	Feb. 3	274·1	+1·1	*274·3*	340	− 66
316	Qu'Appelle	50 30	103 47	645	937·3	1014·8	−0·1	281·7	309·1	July 27	269·4	232·4	Feb. 3	275·5	+1·1	*275·5*	502	+ 21
317	Minnedosa	50 15	99 50	515	953·9	1016·6	+0·6	281·3	310·2	July 27	268·6	230·1	Feb. 11	274·9	+0·7	*274·6*	448	+ 15
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	228·0	Feb. 19	..	..	..	..	..
318*a*	York Factory	57 0	92 28	16·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 33	87 49	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1016·2	1017·4	+1·5	277·4	305·8	July 7	265·1	229·7	Feb. 10	271·3	−1·1	..	387	−174
321																		
322																		
325	Ungava (Fort Chimo)	58 10	68 20	24·4	1010·6	1013·8	..	270·9	300·8	Aug. 14	260·8	233·7	Jan. 26	265·9	..	..	683	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	294·1	Sept. 25	..	245·8	Feb. 21	..	..	..	420	−424
327	Belle Isle	51 23	55 23	132·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1010·7	1012·4	−1·3	286·1	296·3	June 15	281·2	270·8	Dec. 24	283·7	+0·3	283·7	1755	+326
335	Aberdeen	57 10	2 6	26·8	1006·7	1010·0	−1·4	284·4	298·6	June 30	278·7	268·0	Dec. 25	281·6	+0·7	281·6	729	− 38
336	Greenwich	51 28	W 0 0	48·5	1008·2	1014·2	−0·9	288·4	306·3	July 1	279·3	266·3	Jan. 24	283·8	+0·7	283·4	607	− 8
337	Uccle	50 48	E 4 22	100	1003·0	1015·2	−0·5	287·3	303·8	July 1	278·9	261·1	Jan. 23	283·1	+0·5	282·9	877	+ 68
338	De Bilt	52 6	5 11	3·0	1014·1	1014·5	−0·5	287·2	302·9	July 2, 21	278·8	261·4	Jan. 24	283·0	+0·8	282·7	785	+ 37
338*a*	Hamburg	53 33	9 59	40	1008·9	1013·8	−0·8	285·8	303·4	July 22	280·1	265·4	Jan. 17	282·9	+1·2	*282·8*	920	+210
339	Copenhagen	55 41	12 36	5·0	1012·6	1013·2	−0·5	284·4	301·8	July 21	279·7	266·0	Jan. 14	282·1	+1·9	*282·2*	539	− 21
340	Potsdam	53 23	13 14	84·9	1004·5	1014·9	−0·4	286·7	304·7	July 22	278·3	260·0	Jan. 15	282·5	+0·8	282·1	689	+115
340*a*	Upsala	59 51	17 38	24·0	1008·5	1011·4	−0·9	284·0	306·0	July 17	275·2	247·5	Jan. 13	279·6	+2·0	279·8	399	−141
341	Warsaw	52 13	21 2	120	..	..	..	..	304	July	..	256	Jan.	..	..	..	..	..
342	Jurjev	58 23	26 43	74·5	1003·9	1013·1	−0·4	282·6	305·4	July 24	274·4	243·0	Jan. 18	278·5	+1·1	278·6	455	− 87
343	Petrograd	59 56	30 16	4·8	..	1012·4	−0·9	..	305	July	..	249	Jan.	..	+1·6	*278·4*	460	− 29
344	Kiev	50 27	30 30	182·9	..	1016·4	−0·1	..	303	July	..	255	Jan.	..	+0·7	*280·6*	524	− 35
344*a*	Moscow	55 46	37 40	156	..	1015·0	−3·0	..	304	July	..	245	Jan.	..	+1·1	*278·0*	..	..
345	Saratov	51 32	46 3	59·9	..	1016·4	−1·2	..	312	July	..	245	Dec.	..	+1·0	*279·7*	329	− 52
346	Kazan	55 47	49 8	79·8	1004·7	1014·7	−1·3	..	308	July	..	241	Jan.	..	+0·7	276·9	490	+ 77
347	Orenburg	51 45	55 6	114·1	..	1017·3	−0·8	..	309	July	..	240	Jan.	..	+1·2	*277·5*	..	..
348	Perm	58 1	56 16	163·0	..	1012·8	−2·7	..	302	July, Aug.	..	242	Jan.	..	0·0	*274·2*	625	+ 35
349	Ekaterinburg	56 50	60 38	288·9	..	1014·6	−2·5	..	302	July, Aug.	..	244	Jan.	..	+0·2	*273·8*	474	+ 88
350	Tobolsk	58 12	68 14	108	..	1013·5	−3·3	..	302·5	Aug. 7	..	235·7	Dec. 20	..	0·0	*272·6*	..	..
351	Akmolinsk	51 12	71 23	?347	..	1020·0	−0·9	..	?306·4	Aug. 6	..	241·4	Dec. 24	..	+1·2	*275·5*	..	..
352	Omsk	54 58	73 23	90	..	1016·5	−2·2	..	302·8	June 13	..	238·4	Jan. 12	..	+0·4	*273·3*	..	..
353	Barnaoul	53 20	83 47	162·2	..	1019·6	−1·7	..	300·5	July 24	..	237·3	Jan. 12	..	+0·8	*274·4*	..	..
354	Tomsk	56 30	84 58	121·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Minousinsk	53 43	91 41	?245	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 11	84·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
357	Irkutsk	52 16	104 19	467	..	..	..	..	..	..	..	..	..	..	..	..	..	..
358	Kirensk	57 47	108 7	?263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	664	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	?490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360*a*	Nertchinsk	51 59	116 35	484	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	?359	969·1	1013·8	..	..	304·2	July 26	261·1	226·2	Jan. 5	..	..	*269·1*	411	..
362	Blagoveshchensk	50 15	127 31	133·6	996·8	1013·5	−0·7	..	302·7	Aug. 6	268·3	238·1	Jan. 4	..	+1·3	*273·8*	366	−141
363	Paikanskii Sklad	50 11	130 7	?145	995·2	1013·6	..	..	302·2	July 10, 26	262·7	230·4	Jan. 6, 7	..	..	*270·6*	563	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·3	1011·0	−0·5	..	300·7	June 24	265·1	232·9	Jan. 21	..	−0·2	*270·3*	319	−125
366	Okhotsk	59 21	143 17	6·0	1010·0	1010·8	−2·5	..	291·7	July 11	263·0	235·0	Jan. 19, 22	..	−0·9	*266·6*	217	− 47
367																		
368	Petropavlovsk Phare	52 53 N.	158 43 E.	87·1	995·6	1006·6	+1·8	..	293·4	July 15	270·4	248·9	March 21	273·1	−0·4	..	591	−404
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

YEAR—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	..	1016·7	+0·3	286·3	300·7	Aug. 19	279·9	269·4	Feb. 5	283·1	+0·6	282·7	664	−163
412	Portland, Oregon	45 32	122 41	46·6	1011·4	1016·9	−0·6	289·8	307·4	June 15, July 18	281·2	267·4	Dec. 21	285·5	+0·8	*285·1*	931	−186
413	Macleod	49 44	113 24	954	..	..	..	284·8	310·2	Aug. 3	270·6	235·8	Feb. 6	277·7	−0·4	*277·8*	521	+162
414	Helena	46 34	112 4	1253	873·5	1016·6	+0·1	286·1	308·0	Aug. 2	274·4	240·8	Feb. 6	280·3	+0·6	279·9	353	+ 6
414*a*	Salt Lake City	40 46	111 54	1329	868·1	1016·0	+0·5	290·1	309·1	Aug. 14	279·4	261·3	Feb. 6	284·7	+0·8	*284·8*	424	+ 11
415																		
416	Cheyenne	41 8	104 48	1856	813·4	1016·6	+1·7	286·8	304·7	Aug. 16	273·9	243·0	Feb. 6	280·3	+0·2	*280·4*	281	− 70
416*a*	North Platte	41 8	100 45	859	918·2	1018·2	+2·2	290·8	313·6	Aug. 16	275·9	246·9	Feb. 6	283·3	+0·8	*282·8*	401	− 75
417	Bismarck	46 47	100 38	510·6	956·7	1018·4	+1·7	285·3	309·7	July 26	272·0	237·4	Feb. 7	278·7	+0·9	*278·3*	584	+143
418	Winnipeg	49 53	97 7	231·6	988·1	1017·0	+0·8	281·4	307·8	Aug. 4	270·1	233·3	Feb. 10	275·8	+1·5	275·2	556	+ 39
	Duluth	46 47	92 6	345·1	975·6	1017·8	+1·6	281·0	305·2	Aug. 8	271·8	239·7	Feb. 11	276·4	+0·2	*276·4*	764	+ 67
419	Port Arthur	48 27	89 12	196·3	992·9	1017·6	+1·6	281·4	304·1	May 26, July 20	270·0	234·7	Feb. 10	275·7	+0·8	*275·6*	471	−118
420	Chicago	41 53	87 37	250·9	988·0	1018·3	+1·4	287·3	310·2	July 23	279·8	251·9	Feb. 8	283·5	+1·1	*283·6*	727	−112
421	Toronto	43 40	79 24	115·5	1003·4	1017·7	+1·3	285·6	306·7	July 11	276·0	243·0	Jan. 13	280·8	+0·9	280·3	690	−160
422	New York (Central Park)	40 46	73 58	29·6	1013·7	1017·3	+0·2	288·4	308·0	May 27	279·8	252·4	Jan. 14	284·1	−0·4	283·9	1020	− 85
423	St. John, N.B.	45 17	66 4	? 22	1012·2	1015·8	+1·2	281·7	300·4	June 11	273·7	244·3	Feb. 12	277·7	−0·4	*277·6*	920	−300
424	S. W. Point, Anticosti	49 24	63 35	9·1	1011·2	1012·4	+0·7	277·6	295·2	July 8, Sept. 23	269·0	244·1	Jan. 31, Feb. 9, 11	273·3	−1·4	..	828	+ 92
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·9	1016·8	+1·7	281·7	294·1	Sept.	276·3	254·7	Feb.	279·0	−1·2	..	1285	− 49
426	St Johns, Newfoundland	47 34	52 42	38·1	1005·4	1010·0	−1·8	280·5	300·8	July 19, Aug. 12, Sept. 23	273·2	252·4	Feb. 13	276·8	−1·0	..	1242	−146
435	Madrid	40 24	3 41	655·4	941·7	1017·7	+0·3	293·9	312·6	Aug. 10	279·4	262·9	Jan. 3	286·6	−0·2	286·2	410	− 11
436	Nantes	47 15	W 1 34	41·4	1011·6	1016·6	−0·7	288·7	307·8	Aug. 13	280·5	264·1	Jan. 25	284·6	+0·2	284·4	940	+210
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·9	1016·0	−0·7	288·3	304·8	July 1	279·2	261·6	Jan. 24	283·8	+0·4	283·5	626	+ 64
438	Marseilles	43 18	5 23	75	1006·2	1015·3	+0·3	291·5	304·1	Aug. 11	281·6	264·0	Jan. 15	286·6	−0·5	*286·3*	736	+168
438*a*	Zürich	47 23	8 33	493·2	959·0	1017·8	−0·2	286·9	304·2	July 1	277·5	261·4	Jan. 13, Feb. 5	282·2	0·0	281·5	1134	+ 14
439	Rome	41 54	12 28	50·6	1009·1	1014·8	−0·5	292·7	305·3	July 22	283·8	270·7	Jan. 3	288·3	−0·2	*288·1*	921	+101
440	Vienna	48 15	16 22	202·5	991·5	1016·6	+0·1	285·2	300·8	Aug. 4	278·7	260·4	Jan. 27	282·0	−0·2	281·9	604	− 19
440*a*	Buda-Pesth	47 30	19 2	129	1001·0	1016·8	+0·2	287·9	306·2	July 23	278·6	259·2	Jan. 30	283·3	−0·2	282·9	786	+146
441	Bucharest	44 25	26 6	82	1006·4	1016·4	−0·4	288·4	305·8	July 23, Aug. 18	278·2	255·4	Jan. 25, 28	283·3	−0·6	283·0	687	+104
442																		
443	Odessa (University)	46 29	30 44	65	..	1016·7	−0·2	..	303	July	..	258	Jan.	..	−0·1	*282·7*	581	+187
444	Kharkov (University)	50 0	36 14	140	..	1016·9	−1·2	..	303	July	..	250	Jan.	..	+0·7	*280·2*	579	+ 78
444*a*	Novorossiisk	44 44	37 49	37	..	1015·7	−1·0	..	304	July, Aug.	..	266	Nov., Dec.	..	+0·1	*285·6*	..	..
445	Tiflis	41 43	44 48	409	..	1016·9	−1·6	..	308	Aug.	..	266	Jan.	..	0·0	*285·7*	595	+ 97
446	Astrakhan	46 21	48 2	−14	..	1017·4	−1·0	..	309	July	..	249	Dec.	..	+0·6	*283·0*	..	..
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	..	..	..	311	July, Aug.	..	..	..	..	..	..	..	..
449	Tachkent	41 20	69 18	478·3	..	1017·4	+0·3	..	314·0	June 16	..	257·0	Dec. 31	..	+0·9	*287·0*	..	..
450	Tourgay	49 38	63 27	?130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1010·7	1016·1	−0·5	287·0	310·0	June 24	275·0	245·8	Jan. 8	281·0	+0·9	280·7	964	+314
462	Joshin	40 40	129 11	4·0	1013·8	1014·3	−0·5	286·4	307·0	July 29	278·2	255·9	Jan. 8	282·3	+0·9	281·9	909	+208
463	Vladivostok	43 7	131 55	26·8	1011·8	1015·1	−1·5	..	302·5	July 31	274·6	249·0	Jan. 8	..	+0·7	*278·3*	904	+381
464																		
465	Ochiai	47 20	142 44	6·6	1010·6	1011·5	−0·8	279·9	301·8	Aug. 11	268·7	235·2	Jan. 9	274·3	+0·5	274·7	719	−167
466	Nemuro	43 20 N.	145 35 E.	26·7	1009·1	1012·4	−0·1	282·4	303·3	Aug. 12	275·6	260·6	Feb. 8	279·0	+0·3	278·9	1176	+290

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·8	1016·6	−0·3	290·1	306·3	Sept. 10	283·4	278·0	Dec. 15	286·7	+0·5	*286·2*	611	+ 48
512	San Luis Obispo	35 18	120 39	61·3	1009·8	1017·3	+0·5	294·1	309·7	Oct. 13	282·2	273·0	Jan. 11, March 30	288·1	+0·5	*287·5*	679	+126
513	Modena	37 48	113 54	1670	834·2	1015·3	+0·6	290·2	306·9	June 28, Aug. 15	273·9	251·9	Dec. 15	282·1	+0·4	*281·9*	268	− 15
514	San Diego	32 43	117 10	26·5	1012·0	1015·1	0·0	293·1	305·2	Oct. 25	276·2	276·9	Dec. 14	289·7	+0·4	*289·3*	277	+ 24
515	Santa Fé	35 41	105 57	2138	788·6	1015·3	+1·6	288·7	303·6	June 29	276·6	258·0	Jan. 29	282·7	0·0	*282·3*	438	+ 79
516	Denver	39 45	105 0	1613	837·9	1016·4	+1·8	290·8	308·6	Aug. 16	276·4	246·9	Feb. 6	283·6	+0·4	*283·3*	498	+134
517	Abilene	32 23	99 40	529·6	956·0	1017·1	+1·7	296·4	313·0	July 13	284·2	260·8	Feb. 7	290·3	−0·4	*289·8*	1057	+448
518	Saint Louis	38 38	90 12	173·1	997·5	1018·1	+0·9	291·9	311·9	July 11	282·3	255·8	Feb. 7	287·1	+0·8	*287·0*	905	− 50
519	Mobile	30 41	88 2	17·4	1016·4	1018·5	+0·9	296·9	311·3	June 26	287·9	269·7	Dec. 16	292·4	+0·1	*292·0*	1457	−122
520	Nashville	36 10	86 47	166·4	999·6	1019·6	+1·5	293·5	311·9	July 12	282·9	257·4	Dec. 15	288·2	0·0	*288·2*	1026	−172
521	Charleston	32 47	79 56	14·6	1017·0	1018·7	+0·5	295·2	311·3	June 24	287·4	268·6	March 2	291·3	−0·4	*291·3*	1126	−121
522	Washington	38 54	77 3	34·1	1014·2	1018·3	+0·5	290·9	309·7	July 23	280·6	254·7	Feb. 25	285·7	−0·2	*285·4*	971	−111
523																		
524	Bermuda	32 18	64 46	46·0	1014·1	1019·5	+1·6	296·5	303·8	Aug. 15	290·5	281·4	Jan. 16	293·5	−0·7	..	1564	+151
531	Horta	38 32	28 38	28	1019·4	1022·3	+1·5	292·5	299·8	Aug. 20	288·5	280·2	Feb. 8	290·5	−0·6	*290·0*	1068	− 86
532	Ponta Delgada	37 44	25 40	17	1021·1	1022·2	+1·1	292·3	298·5	Aug. 10, 27	288·3	279·3	Feb. 8	290·3	+0·2	*289·8*	1158	−195
533	Madeira (Funchal)	32 37	16 54	25	1018·6	1021·6	+2·0	294·2	308·5	Aug. 11	289·0	282·7	April 12	291·6	+0·1	*291·6*	706	+ 17
535	Lisbon	38 43	9 9	95	1006·7	1018·1	+0·3	292·6	308·2	Sept. 12	285·8	273·6	Jan. 3	289·2	+0·6	*289·2*	585	−170
536	Casablanca	33 37	7 35	? 17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536*a*	Gibraltar	36 6 N.	5 21 W.	16·2	1016·4	1018·3	+1·7	293·7	305·2	Sept. 19	287·1	275·2	Jan, 2, 3	290·4	−0·4	*290·3*	933	+ 23
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

YEAR—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers (Bouzaréah)	36 48	3 2	344	976·5	1016·9	+0·1	292·2	312·1	Aug. 5	286·2	273·3	Jan. 16	289·2	−0·1	288·8	844	+188
538	Palma	39 34	2 38	23	1013·8	1016·5	−0·2	294·2	305·6	Aug. 11	286·8	275·2	Jan. 1	290·5	+0·1	..	564	+ 80
538a	Tunis	36 48	10 10	33	..	1015·7	+0·2	296·4	314·8	Aug. 6	286·6	274·2	Jan. 1	291·5	+0·5	*291·2*	279	−139
539	Malta	35 54	14 31	58·8	..	1016·9	+0·3	293·2	304·8	July 17	288·2	279·7	Jan. 8, 24	290·7	−0·7	..	374	− 88
540	Riposto	37 41	15 14	14·2	..	1016·5	+0·6	293·7	304·0	Aug. 2	287·7	278·8	Jan. 9	290·7	−0·4	*290·3*	629	− 62
541	Athens	37 58	23 43	107·1	1002·2	1015·0	+0·4	294·0	309·5	Aug. 7	286·2	274·8	Jan. 27	290·1	−0·3	289·9	451	+ 57
542	Alexandria	31 9	29 54	32·0	1011·8	1015·6	+0·5	298·2	313·4	May 31	289·8	279·6	Jan. 10	294·0	−0·3	*292·7*	206	+ 2
543	Cairo (Helwan)	29 52	31 20	115·6	1001·8	1015·4	+0·3	300·8	318·2	June 1	288·3	277·7	Jan. 9	294·5	+0·1	*293·5*	21	− 14
544	Nicosia	35 11	33 22	152	..	..	..	..	..	..	..	273·6	Feb. 7	..	..	..	289	− 87
544a	Beirut	33 54	35 28	52·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
545	Baghdad	33 21	44 28	38·7														
546	Lenkoran	38 46	48 52	−19	..	1016·6	−1·0	..	304	July, Aug.	..	271	Jan.	..	+0·2	*287·7*	..	..
547	Busrah	30 31	47 53	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	906·0	1012·8	..	295·4	313·1	June 21	?278·1	?257·9	March 18	?286·7	+0·1	..	191	− 47
549	Quetta	30 11	67 3	1677	832·6	..	−0·3	296·2	311·2	June 18	280·4	264·2	Dec. 30	288·3	+0·4	*288·1*	353	+ 99
550																		
551	Lahore	31 34	74 20	214·0	985·3	1008·1	+0·3	303·6	320·6	May 29, June 16	290·6	274·8	Dec. 15	297·1	−0·3	*296·6*	693	+193
551a	Simla	31 7	77 8	2205	781·3	..	+0·6	288·4	299·4	June 17	282·7	269·7	Feb. 19	285·6	−0·3	*285·4*	2009	+407
552	Leh	34 10	77 42	3503	666·8	..	+0·2	285·5	303·2	June 26	271·8	254·6	Dec. 15	278·7	−0·1	*277·8*	98	+ 16
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	1907	−260
559	Hang Kow	30 35	114 17	37·0	1011·8	1016·2	−0·9	295·1	312·5	July 26	287·1	270·4	Jan. 3	291·1	+0·9	*290·7*	865	−268
560	Tiensin	39 10	117 10	5·0	1016·1	1016·7	−0·6	291·5	311·5	June 18, 26, 27	281·5	254·9	Feb. 9	286·5	+1·0	*286·1*	729	+196
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1015·7	−0·8	294·9	311·7	July 29	285·0	264·3	Jan. 8	289·9	+0·9	289·0	1205	+ 63
562	Jinsen (Chemulpo)	37 29	126 32	67·6	..	1016·2	−0·1	289·0	307·7	July 26	281·4	259·7	Jan. 8	285·2	+0·4	284·8	1068	+105
562a	Nagasaki	32 44	129 52	133·0	999·6	1015·3	+0·8	293·2	308·3	July 24	286·1	269·7	Jan. 7, 8	289·6	+0·5	289·2	2270	+295
563	Kioto	35 1	135 44	42·9	1010·4	1015·5	+1·0	293·7	309·3	Aug. 7	282·4	268·1	Jan. 5	288·1	+1·1	287·7	1391	−205
564	Tokio	35 41	139 45	21·3	1011·8	1014·3	+0·9	292·7	307·5	July 30, Aug. 11	283·5	268·4	Jan. 5	288·1	+1·0	287·7	1694	+183
565	Miyako	39 38	141 59	30·4	1010·1	1013·8	+0·3	290·5	308·9	July 30	279·4	264·3	Dec. 29	284·9	+1·0	284·0	980	−424
566																		
		N.	E.															

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	−0·7	299·3	303·6	Sept.	293·9	286·9	March	296·6	0·0	..	586	−215
606																		
615	Zacatecas	22 47	102 35	2610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1800	..	..	..	..	..	..	..	..	..	..	..	..	..	..
617	Galveston	29 18	94 50	16·5	1016·2	1018·3	+1·5	295·8	307·4	June 29, July 7	290·7	270·2	Feb. 24	293·3	−0·7	*293·1*	1415	+244
618	New Orleans	29 58	90 4	15·5	1016·3	1018·1	+1·0	297·5	309·7	June 28	289·0	271·3	Dec. 15	293·3	−0·3	*292·8*	1388	− 93
619	Havana	23 8	82 22	24·3	..	1017·0	+1·2	301·9	306·6	Aug. 16, 20	294·4	284·3	Jan. 16	298·1	+0·6	*298·0*	1172	− 68
620	Key West	24 33	81 48	6·7	1016·1	1016·8	+0·3	300·4	305·8	July 21, Aug. 4	294·9	285·8	Mar. 4, Nov. 21	297·7	−0·5	*297·4*	892	− 74
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·7	+1·5	300·7	305·5	July 31	295·0	286·1	March 4	297·9	0·0	..	1375	+ 80
622																		
633	La Laguna	28 28	16 20	547	956·1	1019·5	+0·3	293·0	312·0	Aug. 12	285·3	277·4	Jan. 10	289·1	−0·4	..	416	−228
634	Cañadas del Teide	28 13	W16 34	2130	..	..	..	290·7	302·6	July 27	274·5	262·7	Jan. 30	282·6	+0·4	..	229	−118
637	Insalah	27 8	E 2 27	280	..	..	..	309·0	329·3	July 19	289·5	269·0	Dec. 30	299·3	+0·9	*299·1*	..	..
638																		
641	Siwa	29 12	25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642	Dakhla Oasis	25 30	29 0	130·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Tor	28 13	33 37	1·9	1011·8	1012·0	+0·4	305·8	320·6	June 1	288·0	275·5	Dec. 24	296·9	+0·8	*296·9*	..	..
644	Aswan	24 2	32 53	99·6	1001·6	1013·1	−0·1	300·9	313·6	Aug. 10	290·0	278·0	Jan. 11	295·4	+0·2	*294·8*	..	..
								307·1	320·0	June 1, 9	291·5	279·5	Jan. 11	299·3	+0·3	*298·3*	..	..
647	Bushire	28 59	50 53	4·3	1010·4	1011·0	+0·6	300·6	314·4	May 23	?294·3	281·3	Dec. 29	?297·8	+0·7	..	242	− 40
648	Jask	25 44	57 47	4·0	1009·2	1009·8	+1·4	303·9	315·4	May 26	296·6	286·0	Feb. 10	300·3	+0·6	..	123	+ 17
649	Kurrachee	24 53	66 57	4·0	1010·0	1010·4	+0·1	302·4	311·3	Sept. 17	295·4	284·2	Feb. 19, Dec. 18	298·9	0·0	*298·3*	237	+ 40
650	Hyderabad, Sind	25 24	68 18	29·3	1006·1	1009·4	+0·5	306·6	321·3	May 3	293·7	279·7	Dec. 18	300·1	0·0	..	104	− 76
651	Jaipur	26 56	75 52	436·5	960·9	1007·1	+0·1	305·8	320·9	May 28	292·0	276·7	Dec. 17	298·9	+0·2	*298·3*	631	+ 19
652	Nagpur	21 8	79 5	310·2	975·4	1010·2	0·0	306·2	320·0	May 29	293·3	280·3	Dec. 23	299·8	−0·1	*299·3*	1192	− 57
653	Allahabad	25 25	81 51	94·1	998·6	1009·6	+0·6	305·6	319·4	June 16	292·4	278·0	Dec. 26	299·0	+0·2	*298·3*	1002	+ 5
654	Calcutta	22 36	88 23	6·4	..	1008·2	+0·6	303·7	310·8	Feb. 31	294·6	283·6	Jan. 12, 13	299·2	+0·3	*298·9*	1454	−114
655	Gauhati	26 8	91 41	59·7	1004·8	1011·7	+0·9	302·2	310·1	July 11	291·8	280·6	Jan. 2	297·0	−0·1	..	1733	+ 39
655a	Cherrapunji	25 15	91 42	1314	868·4	..	+0·1	293·3	301·2	July 10	286·7	279·3	Jan. 15	290·0	−0·1	..	9200	−1682
656	Shillong	25 33	91 48	1500	849·7	..	+0·5	293·9	300·9	July 11	284·6	274·6	Jan. 8	289·3	−0·2	..	1970	− 243
656a	Akyab	20 11	92 56	6·1	1010·3	1010·9	+0·8	302·7	308·8	March 26	294·5	285·5	Jan. 21	298·6	−0·5	*298·4*	6028	+1105
657	Phu Lien	20 48	106 37	115·6	997·9	1011·3	0·0	300·8	314·5	May 18	294·1	282·2	Jan. 1	297·4	+0·7	296·7	1936	+ 274
658	Moncay	21 31	107 51	9	1010·7	1011·7	+0·2	300·5	312·0	Sept. 8	292·6	275·3	Jan. 1	296·5	+0·4	*295·8*	2724	+ 29
659																		
660	Hong Kong	22 18	114 10	33·2	1008·9	1012·7	+0·1	298·5	307·4	Aug. 31	294·0	281·6	Jan. 1	296·3	+0·9	296·0	2545	+ 432
661	Taihoku, Formosa	25 2	121 31	9·3	1012·6	1013·6	−0·2	299·7	310·1	July 26	291·5	277·5	Feb. 12	295·6	+0·5	295·1	2315	+ 201
662	Naha	26 13	127 41	10·5	1012·9	1014·1	+1·6	299·0	307·8	July 10	292·1	279·9	Jan. 1	295·6	+0·4	295·4	2107	− 33
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

YEAR—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 38	103 37	1529	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 0	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718	Mexico	19 26	99 8	2259	780·7	..	+0·9	294·8	300·3	March 30	283·1	276·5	Jan. 14	288·9	0·0	288·5	759	+ 186
718a	Oaxaca	17 4	96 44	1563	..	..	..	..	306·8	March 27	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	1·9	..	..	..	..	304·1	Sept.	..	289·1	Jan., Nov.	..	..	..	2483	+ 132
720	San Salvador	13 44	89 9	657	939·1	1013·9	+0·4	302·9	310·7	Dec. 12	..	281·8	Jan. 17	297·1	+0·9	..	1879	+ 184
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·9	+1·3	302·9	306·8	July 15	295·0	289·3	Jan. 13	299·0	+0·2	*298·5*	1438	+ 59
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+0·2	305·3	310·8	Aug. 2	295·0	290·1	Jan. 17, 19	300·3	+0·3	299·5	1511	+ 132
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·6	1014·3	+0·3	302·0	305·2	Oct. 27	296·5	293·0	Dec. 30	299·2	+0·3	*298·7*	1596	− 331
724	Grenada (Richmond Hill)	12 5	61 46	155·1	994·9	1012·7	+0·3	302·0	305·2	Oct. 27	296·5	293·0	Dec. 30	299·2	+0·3	*298·7*	1596	− 331
725	Barbados	13 8	59 36	55·2	..	1014·3	+0·5	302·1	304·7	Aug. 26	297·4	291·0	Jan. 14	299·7	+1·0	*299·5*	938	− 356
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·9	1015·1	+0·9	298·0	302·8	Sept. 10	293·1	285·0	March 21	295·6	−0·9	*295·9*	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·3	1014·2	0·0	300·0	306·0	May 7	295·4	290·2	March 26	297·7	+0·2	*297·7*	236	− 52
733	Bathurst	13 24	16 36	1·5	..	1012·8	+0·2	302·8	311·3	March 7	292·7	284·7	Dec. 30, 31	297·8	−0·6	..	1191	− 38
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	310·4	318·6	May 6, 19	..	283·0	Dec. 29, 30	..	..	..	773	− 37
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbouctoo	16 43	W 3 1	270	..	..	..	..	319·8	May 23	..	278·4	Dec. 29	..	..	..	..	..
737	Sokoto	13 2	E 5 14	354	..	..	..	309·5	317·4	April 23	294·4	284·1	Dec. 26	301·9	+1·0	..	634	− 11
738	Kaduna Junction	10 50	7 25	640	..	..	..	304·4	310·2	Sev. dates	290·7	282·4	Jan. 1, 2, Nov. 26	297·5	−0·3	..	1036	− 310
739	Maiduguri	11 47	13 11	361	..	..	..	..	319·1	April 22	..	283·6	Dec. 21	..	..	..	..	..
740	Katagum	12 17	10 22	307	..	..	..	..	..	..	..	..	..	..	..	..	..	..
742	El Obeid	13 11	30 14	585	..	..	..	..	316·2	April 21, May 18	..	281·0	Feb. 6	..	..	..	395	+ 36
743	Khartoum	15 37	32 33	390	967·3	1010·7	+0·4	310·0	319·0	June 9	294·8	282·9	Feb. 20	302·4	+0·3	*301·6*	101	− 21
744	Port Sudan	19 37	37 13	5·9	1009·4	1010·1	+0·8	306·0	319·2	Aug. 20	296·6	288·0	Jan. 31, Feb. 9	301·3	+0·1	*300·9*	158	+ 53
745	Berbera, Somaliland	10 22	45 2	9·2	..	..	..	305·8	314·7	July 6	300·1	293·0	March 17, 20, 21	302·9	0·0	*302·4*	68	+ 2
746	Aden	12 45	45 3	28·7	1008·0	1011·3	+0·2	?303·8	310·8	July 20	298·9	293·6	Dec. 31	?301·3	0·0	*?300·8*	60	− 1
751	Bombay	18 54	72 49	11·3	..	1009·6	+0·5	303·5	307·6	Oct. 23	297·3	289·7	Feb. 19	300·4	+0·5	*299·8*	2073	+ 247
752	Bangalore	12 59	77 38	920	911·1	1007·5	+0·8	302·9	309·8	Apr. 30, May 2	291·2	283·4	Jan. 12, 13, Dec. 27	297·1	+0·6	*296·3*	735	− 168
752a	Kodaikanal	10 14	77 28	2343	771·6	..	+0·3	291·9	297·6	Feb. 22	283·7	277·8	Jan. 1	287·8	+0·3	*287·8*	2023	+ 452
753	Madras	13 4	80 14	6·7	..	1009·5	+0·7	305·8	316·4	June 2	297·1	288·9	Dec. 24	301·4	+0·1	*300·8*	1438	+ 194
754	Waltair	17 45	83 16	68·9	1002·7	1010·5	+0·9	303·4	312·1	June 5	296·7	289·5	Dec. 25	300·1	−0·2	*299·5*	1006	+ 58
755	Port Blair	11 40	92 40	17·7	1009·1	1011·0	+0·3	303·5	308·4	April 29	297·9	294·1	Feb. 24	300·7	−0·1	*300·1*	2957	− 54
756	Rangoon	16 46	95 48	5·5	1010·9	1011·6	+1·0	304·7	311·6	April 24	295·4	286·4	Jan. 2	300·1	−0·2	*299·0*	2832	+ 353
757	Saigon	10 46	106 42	11·2	1008·9	1010·1	+0·9	305·7	311·2	May 14	296·3	290·8	Jan. 1	301·0	+0·3	..	1627	− 384
758	Nhatrang	12 16	109 12	3·7	1010·0	1010·5	+0·8	304·1	309·8	July 15	295·4	289·3	Jan. 13	299·8	−0·2	..	1203	− 192
759	Bolinao	16 24	119 53	9·7	..	1009·9	+0·8	305·0	309·5	April 26	296·3	289·9	Feb. 13	300·6	+0·1	300·2	3440	+ 807
760	Vigan	17 34	120 23	14·7	..	1009·9	+0·7	304·4	308·2	May 9	296·5	290·5	Feb. 24	300·4	0·0	300·0	..	..
761	Manila	14 34	120 59	14·2	..	1010·5	+0·8	305·4	310·7	May 15	295·2	287·5	Jan. 11	300·3	−0·3	299·3	2435	+ 493
762	Ormoc	11 0	124 36	5·6	..	1010·3	+1·2	304·4	307·9	March 25	295·4	289·6	Feb. 19	299·9	+0·5	299·6	1440	− 784
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·7	305·6	June 27	297·4	294·2	July 24	300·1	+0·2	..	2868	+ 574
		N.	E.															

YEAR—ZONE 8.

Between Latitude 10° N. and 0°.

		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·9	311·0	Nov. 4	298·4	296·3	Jan. 13, March 13, 14	302·6	+1·4	*301·1*	4208	+1474
819	Culebra	9 10	79 40	123·1	..	..	..	..	..	..	..	..	..	..	..	..	1750	− 473
819a	Colon	9 23	79 23	7·6	..	1011·0	+0·1	302·4	305·8	Oct. 4	298·0	295·2	May 7	300·2	+0·7	..	3371	+ 93
820	Bogota	4 43	73 12	..	..	..	..	..	..	..	..	..	..	..	..	..	819	− 175
822	Caracas	10 31	66 56	1025	899·2	..	+0·1	..	..	..	..	..	..	292·4	−0·4	..	501	− 312
823	El Peru, Guayanavieja	7 30	62 0	?300	986·0	..	..	302·9	305·8	Apr. 1, Oct. 17	294·6	289·1	Aug. 10	298·8	..	..	1262	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·6	+1·6	302·4	304·7	Oct. 18, 25	296·9	293·6	Nov. 18	299·7	0·0	..	1765	− 469
826	Paramaribo	5 49	55 9	4	..	1013·8	+0·9	..	..	..	..	..	..	300·3	+0·6	*299·7*	2089	+ 249
826a	Cayenne	4 56	52 21	6	..	..	..	303·8	307·6	Aug. 26, Oct. 20, 21	296·4	293·0	Dec. 12	300·1	+0·1	*300·4*	2540	+ 671
833	Conakry	9 31	13 43	16	..	..	..	..	308·4	March	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·0	1012·9	+1·1	304·4	308·7	April 3	294·4	289·1	June 16	299·4	−0·8	..	2603	−1338
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·7	308·0	Feb. 7	295·0	285·2	May 30	298·8	−0·6	..	631	− 208
836	Accra	5 35	W 0 6	18	..	..	..	302·9	307·4	Mar. 4, Apr. 10	295·6	291·9	Aug. 8, Oct. 12	299·3	+0·1	..	623	− 64
837	Lagos	6 27	E 3 24	1·8	..	1012·3	+0·9	303·3	306·3	April	296·9	293·0	July, Aug.	300·1	+0·3	..	1752	− 68
838	Zungeru	9 49	6 10	185·3	..	1012·8	+1·1	306·8	314·1	April 15	295·0	288·6	Jan. 7	300·9	+0·5	..	850	− 283
838a	Libreville	0 23	9 26	35	..	..	..	303·4	307·2	April 29	295·1	291·0	Aug. 9	299·3	+0·4	..	2619	+ 125
839	Yola	9 12	12 30	259	..	..	..	307·8	314·1	Apr. 9, 11, 17, May 10	295·9	286·3	Dec. 22	301·9	+1·0	..	707	− 242
841	Wau	7 42	28 3	440	961·5	1010·3	−0·3	310·9	315·1	March	293·3	289·1	Feb. 13	302·1	+1·6	*300·8*	1269	+ 202
842	Malakal (Kodok)	9 53	32 8	387·5	966·3	1009·3	+0·4	308·7	316·6	April 20	294·0	286·5	Dec. 23	301·3	+0·7	*299·9*	908	+ 145
843	Entebbe	0 5	32 29	1171	959·2	..	+0·6	299·2	306·3	Feb. 21	290·4	288·0	July 9	294·8	+0·3	*294·1*	1517	+ 39
844	Mongalla	5 11	31 47	439·0	..	1007·7	−0·4	307·1	315·0	Mar. 1, Apr. 26	294·5	290·6	Feb. 9	300·8	+0·3	*299·4*	1022	+ 47
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	281·0	Jan. 2, 16	..	..	..	1018	+ 117
851	Cochin	10 0	76 21	2·7	1011·7	1011·8	+0·2	304·3	307·8	Apr. 23, Dec. 8	297·2	292·8	Jan. 30	300·7	+0·3	*300·1*	2838	− 183
852	Colombo Observatory	6 54	79 53	7·3	1009·4	1010·2	+0·9	303·8	306·9	Feb. 10	296·7	292·2	Feb. 6	300·3	0·0	*299·7*	1886	− 270
852a	Newera Elija	6 59	80 47	1886	..	..	..	294·1	298·7	March 3	283·5	270·3	Feb. 8	288·8	+0·7	..	2132	− 235
853	Trincomalee	8 34	81 14	30·2	1006·1	1009·5	+1·3	305·7	310·3	July 27	297·8	294·6	Feb. 5, 8	301·8	+0·6	..	1860	+ 272
854	Medan	3 35	98 41	23·5	..	1010·3	−0·1	304·0	308·6	July 28	295·0	290·9	July 22	299·5	..	298·8	1599	− 444
856	Kota Radja	5 32	95 20	7·1	..	1010·3	−0·3	..	..	..	..	..	..	..	..	..	1438	− 228
857	Penang	5 34	100 20	6·3	1009·8	1010·5	+0·5	305·1	308·6	Feb. 20, May 14	296·2	294·7	sev. dates	300·7	+0·1	..	2274	− 349
858	Singapore	1 17	103 51	3·0	1009·7	1010·0	+0·5	304·1	309·1	May 13	296·9	293·0	Feb. 14	300·5	+0·3	..	2180	− 222
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
861	Tagbilaran	9 38	123 51	26·2	..	?1009·9	+1·0	..	307·5	July 15, Sept. 11	..	?290·5	?Jan. 11	..	−0·2	?299·6	..	..
861a	Menado	1 30	124 50	3·5	..	?1009·5	+0·4	304·1	309·2	Oct. 18	296·0	292·0	July 4	300·1	..	299·7	1692	− 962
862	Surigao	9 48	125 29	6	..	?1009·5	+0·6	..	?308·6	Sept. 8	..	?292·6	Feb. 14	..	+0·2	?299·8	..	..
863	Yap	9 29	138 8	31·9	..	1008·4	..	..	..	..	..	..	..	..	..	..	1852	−1146
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 4	155 0	7·9	1009·4	1010·4	0·0	..	..	..	..	..	..	..	−0·1	*301·0*	2377	+1723
906																		
923	Manaos	3 8	59 59	44·9	1004·0	1009·1	+0·9	..	311·6	Dec. 9	..	295·8	Sev. dates	300·9	+0·4	..	1921	+ 253
925	Turyassu	1 25	45 15	15·1	1010·1	1011·8	..	..	308·6	Dec. 6	..	292·3	July 10, Aug. 4	299·5	..	..	2067	..
929	Quixeramobim	5 16	39 15	207·0	989·9	1013·5	+1·1	..	308·9	Jan. 10	..	293·0	May 17	300·1	−0·4	*300·0*	910	+ 276
930	Fernando Noronha	3 50	W32 20	93·0	1001·4	1012·1	+0·6	..	302·8	March 2	..	294·3	March 5	298·6	+0·2	..	726	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 45	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Mbarara	0 31	30 47	1350	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943*a*	Masaka	0 21	31 47	?1280	..	..	..	..	..	..	..	..	?282·7	April 3	..	+0·6	*293·2*	726	− 760
944	Nairobi	1 18	36 59	1661	..	..	..	..	..	..	..	..	..	..	..	..	..	..
944*a*	Zanzibar	6 10	39 11	21·9	1013·6	*1016·0	+0·3	296·4	302·4	Feb. 27	284·8	278·6	July 9, Aug. 12	290·6	+0·1	..	1150	+ 149
945								302·6	305·4	April 12	298·2	294·7	Aug. 6	300·4	+0·7	*299·6*	1101	− 507
946	Lamu	2 16	40 54	3·0	..	..	..	304·0	308·0	May 9	298·9	294·1	Oct. 5	301·4	..	..	922	− 369
947	Seychelles	4 37	55 27	4·6	1011·5	1012·0	+0·5	301·9	304·6	May 8	298·3	295·7	April 19	300·1	+0·5	..	2770	+ 340
957	Padang	0 56	100 22	6·7	..	1011·1	0·0	303·8	306·0	Jan. 10, July 6	296·3	293·9	July 24	300·1	..	299·4	4654	+ 128
958	Batavia	6 11	106 50	8	1009·9	1010·8	+0·9	303·8	308·3	Sept. 28	296·3	293·6	Aug. 3, 5	300·1	+0·6	299·7	1339	− 440
958*a*	Pontianak	0 1	109 20	2·6	..	1010·9	+1·5	304·6	307·6	Sept. 3	296·3	293·0	July 23	300·5	..	299·5	2677	− 537
959	Passeroean	7 38	112 55	5·0	..	1010·8	+0·9	..	307·2	Nov. 26	..	287·5	July 22	..	..	..	1314	+ 32
960	Kajoemas	7 56	114 9	950	..	..	..	296·9	302·7	Oct. 25	289·7	286·5	July 22	293·3	..	292·5	2243	− 239
962	Ambon	3 42	128 10	4·2	..	1011·0	+1·6	302·4	306·7	Dec. 20	296·0	292·5	Aug. 2	299·2	+0·3	298·8	1522	−1884
963	Manokwari	1 10	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	1796	− 771
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1011·6	+1·4	302·5	..	..	296·5	..	..	299·5	−0·6	..	930	− 99
967	Rakuranga	4 13	152 8	? 120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	1010·3	+1·5	..	..	..	..	..	..	..	..	..	2813	−1626
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	?1008·9	?1009·1	+0·1	?304·2	?308·0	March 14	?297·5	?294·1	Feb. 2, 4, May 26	?300·8	+0·3	..	1579	−1351
970	Ocean Island	0 52	169 35	25·6	1004·8	1007·8	−0·3	303·7	306·8	Feb. 25, 26	297·3	294·1	Feb. 14	300·5	−0·5	*299·8*	3935	+1882
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

		° ′ S.	° ′ W.															
1001																		
1002	Apia Samoa	13 48	171 46	2	..	1010·0	0·0	..	305·8	Feb.	..	292·0	July	..	+1·1	299·7	2653	− 291
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	..	308·6	Feb. 4	..	..	..	..	..	..	..	..
1004																		
1007	Makatea	15 47	148 14	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1008																		
1021	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	289·0	284·4	July 13	..	+0·5	*292·1*	0	− 1
1022	Arequipa	16 22	71 33	2451	761·7	..	+0·5	293·7	297·3	Dec. 26	281·9	277·4	Nov. 1, 5	287·8	+0·5	*287·2*	62	− 34
1023																		
1024	Sucre, Bolivia	19 3	65 17	2844	727·7	..	..	297·5	..	..	280·7	..	..	289·1	+1·8	..	534	− 131
1026	Cuyaba	15 35	56 0	235	991·7	1018·5	−0·1	..	309·1	Sept. 23, Oct.	..	287·4	Aug. 20	300·3	+0·8	..	1210	− 184
1027	Bello Horizonte	19 55	43 56	857	920·5	1016·3	..	299·9	306·0	Sept. 25	287·8	278·4	June 12	293·9	..	..	1053	..
1028	Cætite	14 2	42 37	900	914·5	1014·5	−1·3	..	307·4	Oct. 24	..	283·5	June 13	294·9	−0·1	*294·7*	741	+ 12
1029	Ondina	13 12	38 30	46·6	1009·9	1015·3	..	..	304·6	Nov. 21	..	292·0	Feb. 9	297·8	..	..	1724	..
1030	Aracaju	10 55	37 4	4·3	1014·6	1015·1	..	..	306·0	May 1	..	293·0	July 14, Sept.	299·4	0·0	..	1391	+ 625
1035	St. Helena	15 57	W 5 40	632	946·5	1018·2	−1·1	293·6	300·8	Feb. 3	286·5	283·6	July 18, 28, Aug. 12	290·0	+0·5	*289·7*	1250	+ 234
1036																		
1041																		
1042	Gwelo	19 28	E29 47	1416	859·6	..	0·0	299·4	310·2	Nov. 18	..	..	..	..	..	..	852	+ 205
1043	Salisbury, Rhodesia	17 48	31 5	1472	858·9	..	+0·6	300·3	309·1	Nov. 17	284·7	274·7	July 21	292·5	+1·1	..	813	− 32
1044	Zomba	15 23	35 18	899	..	1012·3	+0·2	300·4	305·2	Nov. 3, 28, 29	287·5	281·9	July 24, 25	293·9	0·0	*292·5*	1605	+ 194
1045	Sante Marie	17 0	49 51	15	..	..	..	..	..	..	..	290·2	July 24	..	..	..	..	..
1046	Tananarivo	18 55	47 32	1400	867·0	..	+1·6	297·6	303·6	Dec. 25	286·1	278·4	July 24, 25	291·8	+0·5	*290·8*	1491	+ 131
1055	Cocos Keeling Is.	12 5	96 53	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·3	1009·9	+0·9	304·0	308·0	March	296·9	293·7	July	300·4	+0·3	..	1913	− 304
1058																		
1061	Koepang	10 10	123 34	3·3	..	1011·7	+1·7	304·0	308·5	Dec. 9	295·0	288·3	July 21	299·5	..	299·2	1178	− 285
1061*a*	Derby	17 18	123 40	16·2	..	1012·8	+1·6	305·8	312·8	Feb. 28	295·0	282·0	July 17	300·4	0·0	..	734	+ 46
1062	Hall's Creek	18 13	127 46	373·6	..	1012·7	+1·1	306·4	314·1	March 9	290·8	275·7	July 19	298·6	0·0	..	920	+ 390
1063	Port Darwin	12 28	130 51	29·6	..	1011·4	+2·0	305·2	309·4	Feb. 20	296·5	287·9	July 12	300·8	−0·3	300·0	1478	− 91
1064	Daly Waters	16 16	133 23	210·6	..	1010·4	+0·4	307·5	315·2	Dec. 17	293·3	277·7	July 22	300·4	+0·5	*299·8*	526	− 140
1065	Mein	13 13	142 47	121·9	..	1010·7	+1·3	303·9	311·4	Dec. 8	293·2	284·2	July 10	298·5	−0·7	..	1422	+ 211
1066	Georgetown, Queensland	18 22	143 32	301·8	..	..	..	304·4	312·6	Dec. 15	291·1	276·9	July 13, 20	297·7	−0·5	..	948	+ 106
1067	Samarai	10 37	150 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1068																		
1072	Suva, Fiji	18 8	178 26	4·3	1012·8	1013·2	+0·4	300·3	306·9	Feb. 7	294·6	287·1	Aug. 20	297·5	−0·5	..	3563	+ 709
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

YEAR—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·3	304·1	March 7	293·2	283·6	June 24	296·2	−0·4	..	1788	− 181
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·4	1014·8	−1·3	290·7	296·0	Jan. 17	281·9	277·0	Sev. dates	286·3	+0·9	*288·0*	222	+ 87
1122	Puerto de Antofagasta	23 39	70 25	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1123	Catamarca	28 27	65 47	510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Salta	24 46	65 28	1178	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1125	Goya	29 9	59 15	64	1008·4	1016·0	−0·3	299·3	314·0	Jan. 31, Feb. 17	289·3	278·0	Aug. 29	294·3	+0·5	*293·8*	1859	+ 829
1126	Asuncion	25 21	57 37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 18	908	914·4	1016·5	−0·5	..	307·3	Jan. 3	..	270·5	May 27	290·6	+1·0	*290·4*	1566	+ 114
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·1	1015·3	−1·5	..	307·9	March 26	..	288·5	Aug. 4	..	+0·7	296·4	912	− 198
1139	Windhuk	22 34	E17 6	1665	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	294·7	305·0	Nov. 17	283·2	269·6	Aug. 25	288·9	+0·6	..	700	− 100
1142	Kimberley	28 42	24 47	1202	883·9	..	+0·2	299·5	311·8	Jan. 1	283·6	269·1	Aug. 25	291·6	+0·8	291·1	478	+ 32
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1143	Durban	29 51	31 0	80	..	1017·6	+0·5	301·0	313·7	Dec. 10	291·1	282·1	June 30	296·0	+0·3	295·5	674	− 73
1144	Lorenzo Marques	25 58	32 36	59	1009·9	1016·3	+0·2	300·2	305·2	March 10	292·8	285·2	July 23	296·5	+0·2	296·2	1095	− 166
1147	Mauritius	20 6	57 33	54·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1159	Onslow	21 43	114 57	4·3	..	1012·5	+0·8	305·4	318·6	March 15	291·3	278·3	June 22	298·3	+0·8	..	53	− 163
1160	Peak Hill	25 38	118 47	588	..	1012·4	+0·4	303·8	316·6	Feb. 2	290·2	276·1	July 1	297·0	+1·6	..	245	− 18
1161	Nullagine	21 53	120 5	386	..	1012·7	+1·1	306·4	316·3	March 9	290·9	274·0	June 24	298·7	+1·0	..	309	− 25
1162	Laverton	28 40	122 23	466	..	1016·8	+1·6	301·4	317·4	Feb. 13	286·7	270·9	July 8	294·1	+1·0	..	299	+ 50
1163	Alice Springs	23 38	133 37	587	..	1014·6	+1·5	301·8	315·8	Feb. 10	286·5	270·8	July 16	294·2	+0·2	294·6	268	+ 1
1164	William Creek	28 55	136 21	76·2	..	1017·3	+1·7	302·1	319·1	Jan. 7	287·5	271·9	July 18	294·8	+1·5	*294·6*	124	− 10
1165	Boulia	22 55	139 38	146	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1166	Mitchell	26 32	147 52	336	..	1015·4	+1·2	300·8	315·3	Jan. 11	285·8	269·7	July 18	293·3	+1·0	..	192	− 93
1167	Rockhampton	23 24	150 30	11·3	..	1016·3	+1·7	301·8	313·2	Dec. 16	290·6	275·7	July 15	296·2	+0·4	..	641	+ 26
1168	Brisbane	27 28	153 2	41·7	..	1017·6	+1·9	299·3	309·6	Dec. 16	288·9	277·4	July 12, 15, 18	294·1	+0·6	..	693	− 322
1169	Noumea	22 16	166 27	9	..	..	..	..	..	..	..	..	..	..	..	..	864	− 293
1170	Norfolk Island	29 5	167 53	117	..	..	..	..	..	..	..	282·7	July 27	..	..	..	..	..
		S.	E.															

YEAR—ZONE 12.

Between Latitude 30° S. and 40° S.

		° ′ S.	° ′ W.															
1220	Juan Fernandez	33 37	78 50	10	..	..	..	..	299·0	Feb. 10	..	278·7	Sept. 4	..	..	..	..	..
1221	Punta Angeles, Valparaiso	33 1	71 38	41	1011·2	1016·0	−0·5	292·1	307·5	Feb. 13	284·1	278·3	Sept. 6	288·1	−0·5	*287·5*	1246	+ 758
1222	Santiago	33 27	70 42	520	955·1	1015·7	−0·1	294·6	309·5	Feb. 14	280·8	271·8	June 16	287·7	+0·4	*286·9*	700	+ 336
1222*a*	Concepcion	36 50	73 3	15	1014·0	1015·8	..	291·7	305·6	Dec. 14	281·4	272·0	Aug. 17	286·5	..	*286·6*	1673	..
1223	Cordoba	31 25	64 12	439	964·0	1014·8	−1·6	297·0	311·6	Jan. 1	283·9	269·6	Aug. 20	290·4	+0·2	289·9	885	+ 186
1224	Bahia Blanca	38 45	62 15	20	1010·4	1012·8	+0·8	294·2	313·0	Jan.	283·4	270·5	Aug.	288·8	0·0	..	843	+ 332
1225	Buenos Ayres	34 16	58 22	25·2	1011·5	1014·5	−0·8	294·2	309·1	Jan. 31	285·1	272·5	June 25	289·7	−0·2	*289·5*	1742	+ 809
1225*a*	Rio Grande	32 2	52 9	2	1012·5	1012·7	−1·1	294·7	307·0	Jan. 3	289·6	278·5	May 27	292·1	+0·4	292·1	2092	+1070
1226	Montevideo	34 55	W56 13	24·9	..	1013·8	−0·6	..	305·6	Jan. 31	..	278·0	May 27, June 17, 26	..	+0·8	290·1	2097	+1192
1239	Cape Town	33 56	E18 29	12	..	..	..	294·5	308·1	March 1	285·2	274·8	July 1	289·9	+0·2	*288·5*	634	− 15
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1241	Heidelberg	34 5	20 58	1541	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 55	10·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1259	Perth (Observatory)	31 57	115 50	60·0	..	1018·1	+1·7	296·3	314·2	March 6	285·7	274·3	May 11	291·0	+0·2	..	514	− 340
1260	Katanning	33 42	117 35	310	..	1018·1	+2·0	295·9	313·9	Feb. 12	282·7	272·2	July 13	289·3	+0·7	..	404	− 60
1261	Coolgardie	30 57	121 10	423	..	1017·5	+1·7	298·6	315·1	Jan. 17	284·8	273·8	July 6	291·7	+0·6	..	253	− 5
1262	Eucla	31 45	128 58	4·6	..	1017·1	+0·7	295·4	316·3	Feb. 17	286·2	275·2	June 17	290·8	+0·4	..	228	− 26
1263	Streaky Bay	32 48	134 13	13·1	..	1019·7	+2·5	297·4	316·3	Feb. 3	285·4	274·1	June 19	291·4	+1·2	..	240	− 139
1264	Adelaide	34 56	138 35	42·7	..	1019·7	+2·6	297·3	317·4	Feb. 18	285·6	275·1	July 20	291·5	+1·3	*291·2*	290	− 242
1265	Melbourne	37 49	144 58	35·1	..	1019·5	+3·2	293·5	314·1	Feb. 17	283·5	272·7	July 21	288·5	+0·8	288·0	474	− 173
1266	Bourke	30 13	145 58	110	..	1018·6	+2·9	301·6	319·1	Jan. 6	286·9	272·1	July 14	294·3	+0·7	..	168	− 184
1267	Sydney	33 51	151 13	44·5	..	1019·0	+3·1	295·1	311·6	Dec. 12	287·6	277·1	July 16	291·3	+1·1	..	1433	+ 209
1268	Lord Howe Island	31 20	159 0	4·6	..	1019·4	..	295·5	302·3	Jan. 21	289·6	279·9	July 18	292·6	..	..	1525	− 176
1271	Auckland	36 50	174 50	38·1	..	..	..	290·7	299·4	Jan. 15	283·9	275·5	July 18	287·3	−0·8	..	722	− 381
1272	Napier	39 32	176 53	21·3	..	1015·2	+1·5	292·4	306·6	Jan. 13	282·0	271·9	July 6, 18	287·2	−0·2	..	562	− 336
		S.	E.															

YEAR—ZONE 13.

Between Latitude 40° S. and 50° S.

		° ′ S.	° ′ W.															
1301	Chatham Island	43 52	170 42	103·6	..	1014·3	..	286·8	297·4	Jan. 29	280·6	272·4	July 14	283·7	−0·3	..	1235	+ 308
1302																		
1321	Isla Huafo	43 34	74 45	140	997·4	1014·4	−1·3	285·0	293·1	Oct. 25	280·9	274·2	Aug. 11	282·9	+0·1	*282·9*	1099	+ 7
1322	Punta Galera	40 1	73 44	40	1010·8	1015·7	−0·8	287·1	295·5	Dec. 15	281·6	275·2	June 28	284·3	+0·1	*284·6*	2218	+ 1
1323	Sarmiento	45 30	69 0	274	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1324	Punta Madryn	42 49	W64 58	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1365	Hobart	42 53	E147 20	53·9	..	1015·9	+3·3	290·1	307·0	Feb. 14	281·4	272·5	July 22	285·7	+0·3	*284·9*	390	− 212
1366	Launceston	41 27	147 10	10·1	..	1017·0	+3·7	292·4	305·9	Feb. 15	280·6	270·0	July 21	286·5	+0·9	..	482	− 236
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·4	301·9	Jan. 30	278·0	268·0	May 28, July 16	282·7	−0·3	..	1258	+ 32
1371	Dunedin	45 52	170 31	91	..	1011·7	+0·2	287·9	301·3	Oct. 25	279·4	271·3	Aug. 13	283·7	+0·3	..	795	− 208
1371*a*	Christchurch	43 32	172 38	7·6	..	1013·1	0·0	289·6	304·6	Jan. 2	278·8	269·3	July 18	284·2	−0·6	..	505	− 138
1372	Wellington	41 16	174 46	2·4	..	1015·4	+2·0	289·2	299·4	Jan. 30	282·7	272·6	July 5	285·9	−0·1	..	810	− 422
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*

YEAR—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·8	1004·6	+2·2	283·3	287·9	March 11	277·4	271·4	July 3	280·3	+0·4	*279·7*	2991	− 52
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·4	1002·9	+1·6	283·0	295·8	Feb. 27	275·8	266·5	June 16	279·4	−0·1	*279·3*	594	+ 76
1423	Punta Dungeness	52 24	68 26	5	1001·8	1002·4	+1·0	283·2	294·8	Feb. 27	278·1	271·0	June 14	280·7	+0·4	..	337	+ 95
1424	Santa Cruz	50 11	68 21	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1424*a*	Año Nuevo	54 39	64 9	50	993·6	999·7	..	279·9	286·8	Feb. 6	275·8	267·4	June 13	277·8	..	277·8	550	..
1425	Cape Pembroke	51 41	57 42	21	1000·6	1002·3	+0·8	281·8	293·0	Feb. 5	275·7	269·1	sev. dates	278·8	0·0	279·0	..	..
1426	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	3·7	..	997·0	−0·2	278·6	293·8	March 9	271·8	261·8	July 9	275·2	+0·1	*274·8*	1047	− 298
1467	Macquarie Island	54 30	158 57	9·1	..	998·8	−0·7	278·7	..	..	275·4	..	..	277·1	..	..	..	..

YEAR—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·7	990·0	990·9	−1·4	272·2	281·7	Dec. 28	264·9	240·4	July 22	268·5	+0·5	269·0	452	+ 16
1528		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Estimates not based on at least six equally spaced observations each day are in *italics*.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1914.

	St. Helena.	Fanning Island.	Sierra Leone.	Malden Island.	Tulagi.	Ocean Island.	Suva, Fiji.
Resultant	148 (6·7)	77 (61)†	228 (32)†	68 (55)†	..	275 (31)†	115 (65)†
Normal	142 (7·3)*	109 (74)†	272 (22)†	81 (81)†	134 (47)†	100 (43)†	96 (53)†

* Resultant direction and mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND NORTH ATLANTIC—YEAR 1914.

**White Sea.*—" This became open during May and was kept open by ice-breakers until mid-December."

**Kara Sea.*—" Was navigable in August and September, open water extending to Dickson Port."

**Barents Sea.*—" The state of the ice was very favourable throughout the summer, the edge lying far within its normal limits."

**Spitsbergen.*—" Comparatively little heavy ice or Polar ice was observed. The state of the ice was favourable on the whole, but it was found impossible to pass east of North East Land. West of Hinlopen Strait the northern coast was unusually free of ice."

**Denmark Strait.*—" The ice belt was narrow and scattered at Angmagsalik, except for a short period at the beginning of summer."

**Greenland Sea.*—" The first 'Storis' passed Cape Farewell on 14th January, and in May and June extended exceptionally far south, viz. to 57° N.

**Iceland.*—" Ice, usually 30–50 miles off-shore, was present on the North coast between March and June. During the rest of the year the waters were free from ice."

Newfoundland Banks.—" The ice drift, both bergs and floes, was very inconsiderable this year."

Belle Isle Strait.—" Was filled with ice late in the year."

**Davis Strait.*—" Unusually large masses of middle pack persisted till May. Icebergs were very abundant."

**Melville Bay.*—" The ice was comparatively thin throughout the winter of 1913–4."

**Baffin Land.* " Very severe ice conditions the whole year."

**Hudson Strait.*—" Scattered ice during July and August."

* *Isforholdene i de arktiske Have, 1914 and 1915*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1914.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1914, TOGETHER WITH THE HOURS OF OBSERVATION, FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. — ZONE 1.

No.	Name of Station.	Authority for Current Data.	Remarks.
123	North Star Bay	..	..
124			
125	Upernivik	Copenhagen, Dansk Meteor. Aarbog, 1914.	**P**=⅛ (8+14+21). True mean **T**=⅛ [2 (8+14)+5×21].
126			
139	Spitsbergen (Green Harbour)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1914, 1915.	Jan.–Oct., **P**=mean of 24 hrs.; Nov. and Dec., **P**=reduced mean of 24 hrs. (Barograph broke down.)
141	Gjesvaer	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1914.	**P**=¼ (I+II+III)+corr. to reduce to mean of 24 hrs. True mean **T**=*n*−*k* (*n*−min.), where *n* is the mean of the three fixed daily observations, and *k* is a factor varying with the station and month.
142	Mehavn	Do. do.	
143	Vardö	Do. do.	
144			
147	Malye Karmakouly	..	..
148			

Between Latitude 70° N. and 60° N. — ZONE 2.

203	Nome	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15.	**P**=19 h.
204	Candle	M.S. data supplied by the Weather Bureau, Washington.	..
205	Tanana	See No. 203.	**P**=19 h.
206	Rampart	See No. 204.	..
207	Valdez	See No. 203.	**P**=18 h.
208	Eagle	Do.	Do.
209	Dawson	Toronto, Meteor. Service, Monthly Weather Rev. and Ann. Rep., 1914.	**P**=½ (8+20).
210	Carcross	Do. do. do.	
211			
212	Fort Simpson	M.S. data supplied by Canadian Meteor. Service.	Jan.–June **P**, **T**=½ (8+18), July **P**, **T**=½ (8+17½), Aug.–Dec. **P**=½ (8+17).
213	Hay River	Do. do.	**P**=½ (8+17).
214	Fort Resolution	See No. 209.	..
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1914.	**P**=⅛ (8+14+21). True mean **T**=⅛ [2 (8+14)+5×21].
226	Godthaab	Do. do.	Do. do. do.
229	Angmagsalik	Do. do.	Do. do. do.
230			
231	Stykkisholm	Do. do.	Do. do. do.
232	Vestmanno	Do do.	Do. do. do.
233	Grimsey	Do. do.	The pressure data are taken at Akureyri (65° 40′ N., 18° 4′ W., H_b=6·8m), the temperature and precipitation at Grimsey.
234	Berufjord	Do. do.	See No. 225.
235	Thorshavn	Do. do.	**P**=⅛ (8+14+21).
236	Lerwick	London Monthly Weather Rep. of Meteor. Office, 1914.	**P**=⅛ (7+13+21). M.S.L. figures reduced to 24 hrs. True mean **T** derived from ½ (M+*m*).
237	Bergen (Met. Obs.)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1914.	See No. 141.
238	Christiansund	Do. do. do.	
239	Trondhjem	Do. do. do.	
240	Bodö	Do. do. do.	
241	Haparanda	Stockholm, Meteor. Iakttagelser i Sverige, 1914.	**P**=⅛ (8+14+21) Stockholm time. True mean **T** derived from these hours.
242	Helsingfors	M.S. data supplied by the Society of Sciences, Finland.	**P**=mean of 24 hrs.
242*a*	Kuopio	Do. do. do.	**P**=⅛ (7+14+21).
243	Kola	Petrograd, Nicholas Centr. Phys. Obs., Bulletin Météor. quotid. 1914.	**P**=7 h. True mean **T** derived from ⅛ (7+13+21).
244	Petrozavodsk	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bull., 1914.	Do. do. do.
245	Arkhangelsk	Do. do. do.	Do. do. do.
246	Velsk	..	..
247	Oust-Tsylma	See No. 244.	Do. No raingauge.
248	Troitsko-Petcherskoe	..	..
249	Berezov	See No. 243.	Do.
250	Obdorsk	..	..
251	Sourgout	..	..
252		..	..
253	Touroukhansk	..	..
254	Doudinka	..	..
261	Olekminsk	See No. 243.	**P**=7 h. True mean **T** derived from ⅛ (7+13+21).
262	Iakoutsk	Do.	Do. do. do.
263	Verkhoïansk	..	..
264	Oust-Maïskoe	..	..
271	Markovo sur Anadyr	Vladivostok, Obs. météor. du Réseau de l'Obs. Météor., 1914.	**P**, **T**=⅛ (7+13+21).
272	Novo-Mariinskii Post	..	..

ZONE 3. Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Remarks.
301			
302			
303	Dutch Harbour	M.S. data supplied by the Chief of the Weather Bureau, Washington.	P=15 h.
304			
305	Kodiak	Do. do. do.	
306			..
307			
308			
309	Sitka	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15.	P=16 h.
310	Prince Rupert	Toronto, Meteor. Service, Ann. Rep. 1914 and Monthly Weather Rev.	P=$\frac{1}{3}$ (5+17).
311	Barkerville	Do. do. do.	P=$\frac{1}{3}$ (5+17). True mean **T** derived from $\frac{1}{2}$ (M+m).
312	Kamloops	Do. do. do.	Do. Do.
313	Calgary	Do. do. do.	P=$\frac{1}{3}$ (5$\frac{1}{2}$+17$\frac{1}{2}$). Do.
314	Fort Chipewyan	M.S. data supplied by Canadian Meteor. Service, Toronto.	P=$\frac{1}{3}$ (7+13+20). Do.
315	Prince Albert	See No. 310.	P=$\frac{1}{3}$ (6+18). Do.
316	Qu'Appelle	Do.	P=$\frac{1}{3}$ (6+18). Do.
317	Minnedosa	Do.	P=$\frac{1}{3}$ (7+19). Do.
318	Berens River	Do.	True mean **T** derived from $\frac{1}{2}$ (M+m).
318a	York Factory	See No. 314.	P=$\frac{1}{3}$ (8+18); **T**=$\frac{1}{3}$ (8+13+18).
319	Fort Hope	Do.	**T**, Feb. =$\frac{1}{3}$ (8+14+19).
320	Moose Factory	Do.	P=$\frac{1}{3}$ (9+14+19).
321			
322			
325	Ungava (Fort Chimo)	M.S. data supplied by Canadian Meteor. Service, Toronto.	P=$\frac{1}{2}$ (9+19).
326	Point Riche	See No. 310.	**T**=$\frac{1}{3}$ (7+14+21). No self-registering thers.
327	Belle Isle	See No. 314.	P=$\frac{1}{2}$ (9+21). **T**, July=$\frac{1}{4}$ (9+21).
328			
329			
330			
331			
332			
333			
334	Valencia	London, Monthly Weather Rep. of Meteor. Office, 1914.	P=mean of 24 hrs.
335	Aberdeen	Do. do. do.	Do.
336	Greenwich	Do. do. do.	Do.
337	Uccle	Brussels, Annuaire de l'Obs. de Belgique, 1915, 1916.	Do.
338	De Bilt	Utrecht, Nederlandsch Meteor. Inst., Jaarboek, 1914.	Do.
338a	Hamburg	M.S. data supplied by Nederlandsch Meteor. Inst. and Hamburg D. Seewarte, Ergeb. der Meteor. Beob. 1914.	P=mean of 24 hrs. Barograph 40 m. above M.S.L., other instruments 26 m. True mean **T**. { May–Aug. $\frac{1}{4}$ (8+20+M+m). Sept.–April $\frac{1}{2}\left(\frac{8+20}{2}+\frac{8+14+20}{3}\right)$
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog. 1914.	P=$\frac{1}{3}$ (8+14+21). True mean **T** derived from $\frac{1}{2}$ (M+m).
340	Potsdam	M.S. data supplied by Nederlandsch Meteor. Inst.	P=mean of 24 hrs.
340a	Upsala	Upsala, Bull. Mens. de l'Obs. Météor., 1914.	Do.
341	Warsaw	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bull., 1914.	P=7 h. True mean **T** derived from $\frac{1}{3}$ (7+13+21).
342	Jurjev	Jurjev, Obs. météor. faites à . . . en 1914 et 1915.	P=mean of 24 hrs.
343	Petrograd	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bull., 1914.	See No. 341.
344	Kiev	Do. do. do.	Do.
344a	Moscow	Do. do. do.	Do.
345	Saratov	Do. do. do.	Do.
346	Kazan	Kazan, Bull. Obs. météor. Univ. Imp., 1914, and see No. 343.	P=mean of bi-hourly observations.
347	Orenburg	See No. 341.	See No. 341.
348	Perm	Do.	Do.
349	Ekaterinburg	Do.	Do.
350	Tobolsk	Petrograd, Nicholas Centr. Phys. Obs., Bulletin météor. quotid. 1914.	Do.
351	Akmolinsk	Do. do. do.	Do.
352	Omsk	Do. do. do.	Do.
353	Barnaoul	Do. do. do.	Do.
354	Tomsk	Do. do. do.	Do.
355	Minousinsk	..	..
356	Eniseisk	See No. 350.	Do.
357	Irkutsk	Do.	Do.
358	Kirensk	Do.	Do.
359	Tchita	Do.	Do.
360	Blagoveshchensk Priisk	..	..
360a	Nertchinsk	See No. 350.	Do.
361	Tygan Ourkan	Vladivostok, Obs. météor. du Réseau de l'Obs. Météor., 1914.	P=$\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours.
362	Blagoveshchensk	Do. do. do.	Do.
363	Paikanskii Sklad	Do. do. do.	Do.
364			
365	Nikolaevsk-sur-Amour	Do. do. do.	Do.
366	Okhotsk	Do. do. do.	Do.
367			
368	Petropavlovsk Phare	Do. do. do.	P, **T**=$\frac{1}{3}$ (7+13+21).
369			

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N. ZONE 4.

No.	Name of Station.	Authority for Current Data.	Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service, Ann. Rep. and Monthly Weather Rev.	P=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15, and Monthly Weather Rev., 1914.	P reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{3}$ (8+20).
413	Macleod	See No. 411.	True mean **T** derived from $\frac{1}{2}$ (M+m).
414	Helena	See No. 412.	See No. 412.
414a	Salt Lake City	Do.	Do.
415	Cheyenne	Do.	Do.
416	North Platte	Do.	Do.
416a	Bismarck	Do.	Do.
417	Winnipeg	See No. 411.	P=$\frac{1}{3}$ (7+14+19). True mean **T** derived from $\frac{1}{2}$ (M+m).
418	Duluth	See No. 412.	See No. 412.
419	Port Arthur	See No. 411.	See No. 417.
420	Chicago	See No. 412.	See No. 412.
421	Toronto	See No. 411.	P=mean of 24 hrs.
422	New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1914.	P=$\frac{1}{3}$ (7+14+21).
423	St John, N.B.	See No. 411.	P=$\frac{1}{3}$ (9+15+21). True mean **T** derived from $\frac{1}{2}$ (M+m).
424	S. W. Point, Anticosti	Do.	P=$\frac{1}{3}$ (8$\frac{1}{2}$+15$\frac{1}{2}$+20$\frac{1}{2}$).
425	Sable Island (Main Station)	Do.	P=$\frac{1}{3}$ (9+14+21).
426	St Johns, Newfoundland	Do.	P=$\frac{1}{2}$ (9+21).
435	Madrid	Madrid, Annuario del Observatorio, 1916.	P, true mean **T**=$\frac{1}{8}$ (3+6+9+12+15+18+21+24).
436	Nantes	Paris, Ann. Bur. centr. météor., 1914.	Do. do. do.
437	Paris (Parc St. Maur)	Do. do.	P=mean of 24 hrs.
438	Marseilles	Do. do.	P=$\frac{1}{6}$ (7+10+12+16+18+22), True mean **T** derived from these hours.
438a	Zürich	Zurich, Ann. Schweiz. Meteor. Zentralanst., 1914.	P=mean of 24 hrs.
439	Rome	M.S. data supplied by R. Uff. Centr. Meteor. e Geodin, Rome.	P=$\frac{1}{4}$ (9+15+21). True mean **T** derived from $\frac{1}{4}$ (9+15+M+m).
440	Vienna	M.S. data supplied by Vienna Zentralanst. für Meteor. u. Geodin.	P=$\frac{1}{3}$ (7+14+21). Temp. extremes from thermograph.
440a	Buda-Pesth	M.S. data supplied by Buda-Pesth, Meteor. es Foldmagn. Intezet.	P=$\frac{1}{3}$ (7+14+21).
441	Bucharest	M.S. data supplied by Obs. Astr. et Météor. de Bucharest.	P=mean of 24 hrs.
442			
443	Odessa (University)	Petrograd, Nicholas Centr. Phys. Obs., Monthly Météor. Bull., 1914.	P=7 h. True mean **T** derived from $\frac{1}{3}$ (7+13+21).
444	Kharkov (University)	Do. do. do.	Do.
444a	Novorossiisk	Do. do. do.	Do.
445	Tiflis	Do. do. do.	Do.
446	Astrakhan	Do. do. do.	Do.
447	Fort Alexandrovsk	Petrograd, Nicholas Centr. Phys. Obs., Bulletin Météor. quotid. 1914.	P=7 h. No raingauge.
448	Krasnovodsk	See No. 443.	See No. 447.
449	Tachkent	See No. 447.	..
450	Tourgay	..	..
451	Narynskoe	..	..
452	Vernyi	..	..
461	Mukden	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1914.	P, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
462	Joshin	Do. do.	Do.
463	Vladivostok	Vladivostok, Obs. météor. du Réseau de l'Obs. Météor., 1914.	P=$\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours.
464			
465	Ochiai	See No. 461.	P, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
466	Nemuro	Do.	P=mean of 24 hrs.

Between Latitude 40° N. and 30° N. ZONE 5 (Western Half)

511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15, and Monthly Weather Rev., 1914.	P, reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{3}$ (8+20).
512	San Luis Obispo		
513	Modena		
514	San Diego		
515	Sante Fé		
516	Denver		
517	Abilene		
518	Saint Louis		
519	Mobile		
520	Nashville		
521	Charleston		
522	Washington		
524	Bermuda	Meteor. Obs. taken at Prospect, Bermuda, 1914.	P=$\frac{1}{2}$ (9+15). This approximates to a 24-hr. mean.
531	Horta	M.S. data supplied by Director Meteor. Service, Azores.	P=mean of 24 hrs. True mean **T**=$\frac{1}{4}$ (9+12+15+21)−0·13 (M−m).
532	Ponta Delgada	Do. do. do.	Do. do. do.
533	Madeira (Funchal)	Lisbon, Resumo das Observaçoes, 1914.	P=$\frac{1}{3}$ (9+15+21). True mean **T**=$\frac{1}{4}$ (9+21+M+m).
534	Lisbon	Do. do.	Do. do. do.
535	Casablanca	..	..
536	Gibraltar	M.S. data at M.O.	P=$\frac{1}{3}$ (7+13+21). True mean **T** derived from $\frac{1}{2}$ (M+m).

ZONE 5 (Eastern Half). Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Authority for Current Data.	Remarks.
537	Algiers (Bouzaréah)	Paris, Ann. Bur. centr. météor., 1914.	**P**, true mean **T**=$\frac{1}{8}$ (3+6+9+12+15+18+21+24).
538	Palma	Madrid, Inst. Geogr. y Estad. Res. Obs., 1914.	**P**=$\frac{1}{2}$ (8+16).
538*a*	Tunis	See No. 537.	**P**=$\frac{1}{8}$ (7+13+19). True mean **T**=$\frac{1}{4}\left(7+13+19+\frac{19+m}{2}\right)$.
539	Malta	Malta, Meteor. Obs., 1914.	**P**=8 h.
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1914.	**P**=$\frac{1}{8}$ (9+15+21). True mean **T** derived from these hours.
541	Athens	Athènes, Ann. de l'Obs. Nat., 1916.	**P**=mean of 24 hrs.
542	Alexandria	M.S. data supplied by Physical Dept., Cairo.	**P**=8 h. True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).*
543	Cairo (Helwan)	Do. do.	Do. do.
544	Nicosia	Cyprus Blue Book, 1914.	**P**=$\frac{1}{2}$ (9+21).
544*a*	Beirut	See No. 542.	..
545	Baghdad	Calcutta, India Weather Review, 1914.	**P**=8 h.
546	Lenkoran	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bull., 1914.	**P**=7 h. True mean **T** derived from $\frac{1}{3}$ (7+13+21).
547	Busrah	See No. 545.	**P**=8 h.
548	Meshed	Do.	Do.
549	Quetta	Do.	Do.
550			
551	Lahore	Do.	**P** (M.S.L.)=$\frac{1}{2}$ (10+16) reduced to 24 hrs.; **P** (Stat. Lev.)=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
551*a*	Simla	Do.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
552	Leh	Do.	Do. do.
552*a*	Dehra Dun	Do.	..
559	Hang Kow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1914.	**P**=$\frac{1}{8}$ (6+14+22). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
560	Tiensin	Do. do. do.	Do. do. do.
561	Shanghai (Zi-Ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1914.	**P**=mean of 24 hrs.
562	Jinsen (Chemulpo)	Chemulpo, Ann. Rep. Meteor. Obs., Korea, 1914.	**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
562*a*	Nagasaki	See No. 559.	**P**=mean of 24 hrs.
563	Kioto	Do.	Do.
564	Tokio	Do.	Do.
565	Miyako	Do.	**P**, true mean **T**=$\frac{1}{8}$ (2+6+10+14+18+22).
566			

ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Authority for Current Data.	Remarks.
605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15.	**P** reduced to mean of 24 hrs.
615	Zacatecas	..	..
616	Leon	..	..
617	Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1914–15, and Monthly Weather Rev., 1914.	**P** reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (8+20).
618	New Orleans	Do. do. do.	Do. do. do.
619	Havana	Habana, Obs. Meteor. del Colegio de Belen, 1914.	**P**=$\frac{1}{10}$ (4+6+8+10+12+14+16+18+20+22). True mean **T** derived from these hours.
620	Key West	See No. 617.	See No. 617.
621	Nassau, Bahamas	M.S. data at M.O.	**P**=$\frac{1}{2}$ (8+15). Pressure appeared too low by 3·4 mb. This correction has been applied.
633	La Laguna, Teneriffe	Madrid, Inst. Geogr. y Estad., Res. Obs., 1914.	**P**=$\frac{1}{2}$ (8+16).
634	Cañadas del Teide, Teneriffe	Do. do.	..
637	Insalah	Paris, Ann. Bur. centr. météor., 1914.	True mean **T** derived from $\frac{1}{3}$ (7+13+19). No raingauge, as rainfall is practically unknown.
641	Siwa	..	..
642	Dakhla Oasis	M.S. data supplied by Physical Dept., Cairo.	**P**=8 h. True mean **T**=$\frac{1}{4}$ (8+14+20+*m**). No raingauge, as rainfall is practically unknown.
643	Tor	Do. do.	**P**=$\frac{1}{3}$ (8+14+20). Do. * do.
644	Aswan	Do. do.	See No. 642.
647	Bushire	Calcutta, India Weather Review, 1914.	**P**=8 h. **T**, mean min. and mean, for 15 days only in Jan.
648	Jask	Do. do.	**P**=8 h.
649	Kurrachee	Do. do.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
650	Hyderabad, Sind	Do. do.	**P**=8 h.
651	Jaipur	Do. do.	See No. 551.
652	Nagpur	Do. do.	See No. 649.
653	Allahabad	Do. do.	**P** (M.S.L.) and true mean **T**, Jan.–Aug.=$\frac{1}{3}$ (10+16), reduced to 24 hrs.; **P** (Stat. Lev.) and **P** (M.S.L.) Sept.–Year=8 h. True mean **T** (Sept.–Year) derived from $\frac{1}{2}$ (M+*m*).
654	Calcutta	Do. do.	**P** (M.S.L.)=$\frac{1}{2}$ (10+16) reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (10+16).
655	Gauhati	Do. do.	**P**=8 h.
655*a*	Cherrapunji	Do. do.	Do.
656	Shillong	Do. do.	Do.
656*a*	Akyab	Do. do.	See No. 649.
657	Phu Lien	Paris, Ann. Bur. centr. météor., 1914.	**P**=mean of bi-hourly observations.
658	Moncay	Do. do.	**P**=$\frac{1}{2}$ (10+16). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
660	Hong Kong	Hong Kong, Royal Obs., Monthly Meteor. Bull., 1914.	**P**=mean of 24 hrs.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1914.	Do.
662	Naha	Do. do.	Do.

* This formula is in general use at Egyptian stations, but comparison with the hourly observations at Cairo shows that it is 0·7*a* too low on the mean for the year.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N. ZONE 7.

No.	Name of Station.	Authority for Current Data.	Remarks.
715	Zapotlanejo	..	..
716	Morelia	M.S. data supplied by Obs. Meteor. Magn., Mexico.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from these hours.
717	Salina Cruz	..	..
718	Mexico	See No. 716.	**P**=mean of 24 hrs.
718*a*	Oaxaca	Do.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from these hours.
719	Belize	Belize, Summary of Meteor. Obs., 1914.	..
720	San Salvador	San Salvador, Anuario Estadistico, 1914.	**P**, **T**=$\frac{1}{3}$ (7+14+21).
721	Jamaica (Negril Point)	Jamaica, Weather Reports, 1914.	**P**=$\frac{1}{3}$ (7+15). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
722	Port au Prince	Paris, Ann. Bur. centr. météor., 1914.	**P**=mean of 24 hrs.
723	St Croix (Christiansted)	Copenhagen, Dansk Meteor. Aarbog, 1914.	**P**=$\frac{1}{3}$ (8+14+21).
724	Grenada (Richmond Hill)	Grenada, Government Gazette, 1914.	**P**=$\frac{1}{3}$ (9+18). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
725	Barbados	Barbados, Blue Book, 1914.	**P**=$\frac{1}{3}$ (9+15). A new barometer installed in July 1915 showed that a correction of +2·5 mb. was necessary to the earlier figures. This correction has been applied. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
731	St Vincent, C. Verde Is.	Lisbon, Resumo das Observaçoes, 1914.	**P**=$\frac{1}{4}$ (9+15+21). True mean **T**=$\frac{1}{4}$ (9+21+M+*m*).
732	San Tiago, C. Verde Is.	Do. do.	See No. 731. Comparison with the map of mean annual pressure showed that a correction of −1 mb. was necessary. This has been applied.
733	Bathurst	Gambia, Government Gazette, 1914.	**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*). From Sept. minimum temperatures are doubtful.
734	M'Carthy Island	Do. do.	..
735	Ségou	Paris, Ann. Bur. centr. météor., 1914.	**T**=$\frac{1}{3}$ (7+14+21); Dec. $\frac{1}{3}$ (7+15+21).
736	Timbouctoo	Do. do.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
737	Sokoto	M.S. data at M.O.	..
738	Kaduda Junction	Do.	..
739	Maiduguri	Do.	..
740	Katagum	Do.	Observations incomplete after July.
742	El Obeid	M.S. data supplied by Physical Dept., Cairo.	**P**=8 h. True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).*
743	Khartoum	Do. do.	Do. do. do.
744	Port Sudan	Do. do.	**P**=$\frac{1}{3}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).*
745	Berbera, Somaliland	Berbera, Meteor. Observations, 1914.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
746	Aden	Calcutta, India Weather Review, 1914.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
751	Bombay	Do. do.	**P** (M.S.L.) and true mean **T**=$\frac{1}{2}$ (10+16) reduced to 24 hrs.
752	Bangalore	Do. do.	**P** (Stat. Lev.)=8 h. **P** (M.S.L.)=$\frac{1}{2}$ (10+16) reduced to 24 hrs. The reduced figures appear too low by about 4 mb. True mean **T** derived from $\frac{1}{2}$ (10+16).
752*a*	Kodaikanal	Do. do.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
753	Madras	Do. do.	See No. 751.
754	Waltair	Do. do.	**P**= 8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
755	Port Blair	Do. do.	Do. do.
756	Rangoon	Do. do.	Do. do.
757	Saigon	Paris, Ann. Bur. centr. météor., 1914.	**P**=$\frac{1}{2}$ (10+16).
758	Nhatrang	Do. do.	Do.
759	Bolinao	Manila, Bull. Philippine Weather Bureau, 1914.	**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
760	Vigan	Do. do.	Do. do.
761	Manila	Manila, Weather Bureau Ann. Rep., 1914. Part II.	**P**=mean of 24 hrs.
762	Ormoc	See No. 759.	See No. 759.
765	Guam, Ladrone Is.	Do.	..

ZONE 8. Between Latitude 10° N. and 0°.

No.	Name of Station.	Authority for Current Data.	Remarks.
805	Fanning Island	M.S. data at M.O.	True mean **T** derived from $\frac{1}{2}$ (9+21).
819	Culebra	Culebra, Isthmian Canal Commission, Monthly Meteor. Rep. 1914.	**P**, hours of observation unknown. Maximum and minimum temperatures converted from whole degrees Fahrenheit.
819*a*	Colon	Do. do. do.	Do. do. do.
820	Bogota	Washington, Proc. 2nd Pan Amer. Sci. Congr., Sect. II., p. 754.	..
822	Caracas	Ugueto, Luis. Climatologia de Caracas.	Hours of observation unknown.
823	El Peru, Guayanavieja	M.S. data at M.O.	**P**=$\frac{1}{3}$ (7+14+21).
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1914–15.	**P**=$\frac{1}{3}$ (7+13+18).
826	Paramaribo	M.S. data supplied by K. Ned. Meteor. Inst.	**P**=$\frac{1}{3}$ (8+14+18). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
826*a*	Cayenne	Paris, Ann. Bur. centr. météor., 1914.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
833	Conakry	Do. do.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
834	Freetown, Sierra Leone	M.S. data at M.O.	**P**=$\frac{1}{2}$ (9+17).
835	Cape Coast Castle	M.S. data supplied by the Medical Dept., Accra.	..
836	Accra	Do. do. do.	..
837	Lagos	Nigeria Govt. Gazette, 1914.	**P** reduced to mean of 24 hrs.
838	Zungeru	M.S. data at M.O.	**P**=9 h.
838*a*	Libreville	Paris, Ann. Bur. centr. météor., 1914.	..
839	Yola	M.S. data at M.O.	..
841	Wau	M.S. data supplied by Physical Dept., Cairo.	**P**=8 h. True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).* Readings of Max. Ther. do not seem reliable from June to September.
842	Malakal (Kodok)	Do. do.	**P**=$\frac{1}{3}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).*
843	Entebbe	M.S. data at M.O.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from these hours.
844	Mongalla	M.S. data supplied by Physical Dept., Cairo.	**P**=$\frac{1}{3}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).*
845	Harrar	Do. do.	..
851	Cochin	Calcutta, India Weather Review, 1914.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
852	Colombo Observatory	Colombo, Ceylon Blue Book, 1914.	**P**=$\frac{1}{2}$ (9$\frac{1}{2}$+15$\frac{1}{2}$). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
852*a*	Newera Elija	Do. do.	..
853	Trincomalee	Do. do.	**P**=$\frac{1}{2}$ (9$\frac{1}{2}$+15$\frac{1}{2}$).
855	Medan	Batavia, Obs. at II. Stations in Netherlands East India, vol. iv., and Regenw. in do., 1914.	**P** reduced to mean of 24 hrs.
856	Kota Radja	Singapore, Straits Settlements, Meteor. Returns, 1914.	**P**=$\frac{1}{3}$ (9+15+21).
857	Penang	Do. do. do.	Do.
858	Singapore	Do.	..
860	Sandakan	British North Borneo Herald, 1914.	**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
861	Tagbilaran	Manila, Bull. Philippine Weather Bureau, 1914.	**P** reduced to mean of 24 hrs.
861*a*	Menado	See No. 855.	See No. 861.
862	Surigao	See No. 861.	**P**=$\frac{1}{2}$ (6+14).
863	Yap	Manila, Bull. Philippine Weather Bureau, 1914 and 1915.	

* This formula is in general use at Egyptian stations, but comparison with the hourly observations at Cairo shows that it is 0·7*a* too low on the mean for the year.

ZONE 9. Table showing the Authorities for the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Authority for Current Data.	Remarks.
905	Malden Island	M.S. data at M.O.	P=9 h. True mean T derived from 9 h.
906			
923	Manaos	Rio de Janeiro, Annuario Observatorio Nacional, 1918.	P, T=⅛ (7+14+21).
925	Turyassu	Do. do. do.	Do.
929	Quixeramobim	Do. do. do.	P, T=⅛ (7+14+21). True mean T derived from these hours.
930	Fernando Noronha	Do. do. do.	P, T=⅛ (7+14+21).
939	Sainte Croix-des-Eshiras	..	..
940	Loango	..	..
943	Mbarara	M.S. data at M.O.	True mean T=¼ (7+14+2×21). Min. temps. corrected from 7 h.
943a	Masaka	Do.	True mean T=¼ (7+14+2×21).
944	Nairobi	British East Africa Blue Book, 1914.	..
944a	Zanzibar	Calcutta, India Weather Review, 1914.	P=8 h. True mean T derived from 8 h.
945			
946	Lamu	M.S. data supplied by Dept. of Agriculture, Nairobi.	..
947	Seychelles, Port Office	Meteor. Obs. taken in Seychelles, 1914. P from Calcutta, India Weather Review, 1914.	P=½ (10+16).
957	Padang	Batavia, Obs. at II. Stations in Netherlands East India, vol. iv., and Regenw. in do., 1914.	P reduced to mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1914, and Regenw. in Netherlands East India, 1914.	P=mean of 24 hrs. Temperature extremes refer to hourly values.
958a	Pontianak	See No. 957.	P reduced to mean of 24 hrs.
959	Passeroean	Do.	Do.
960	Kajoemas	Do.	..
962	Ambon	Do.	Do.
963	Manokwari	Do.	Do.
965	Daru	Port Moresby, Papua Govt. Gazette, 1914–15.	P=9 h.
966	Port Moresby	Do. do.	Do.
967	Rakuranga	..	..
968	Rendova	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	Do.
969	Tulagi, Brit. Solomon Is.	M.S. data at M.O.	Do.
970	Ocean Island	Do.	P=½ (9+21). True mean T derived from ½ (M+m).

ZONE 10. Between Latitude 10° S. and 20° S.

1001			
1002	Apia, Samoa	Met. Zs., 37, 1920, p. 262.	P=⅛ (7+14+21).
1003	Alofi, Niue Island	M.S. data at M.O.	P=9 h.
1004			
1007	Makatea	..	..
1008			
1021	Puerto de Arica	M.S. data supplied by Inst. Meteor. de Chile, Santiago.	True mean T derived from ¼ (7+14+2×21).
1022	Arequipa	M.S. data supplied by Professor Pickering, Harvard College.	P=½ (10+22). True mean T derived from these hours.
1023			
1024	Sucre, Bolivia	Sucre, Obs. Meteor. del Inst. Médico, Boletin Meteor., 1915.	P, T probably ⅛ (6+14+20).
1026	Cuyaba	Rio de Janeiro, Obs. Nacional, Annuario, 1918.	P, T=⅛ (7+14+21).
1027	Bello Horizonte	Minas Geraes, Dados Meteor. de 1910 a 1914.	P=⅛ (7+14+21).
1028	Cætite	Rio de Janeiro, Obs. Nacional, Annuario, 1918.	See No. 1026.
1029	Ondina	Do. do. do.	Do.
1030	Aracaju	Do. do. do.	Do.
1035	St. Helena	M.S. data at M.O.	P=9 h. True mean T derived from ½ (M+m).
1036			
1041			
1042	Gwelo	M.S. data supplied by Salisbury, Dept. Agric.	P=8 h.
1043	Salisbury, Rhodesia	Do. do.	Do.
1044	Zomba	Nyasaland Blue Book, 1914.	P reduced to mean of 24 hrs. True mean T derived from ½ (M+m).
1045	Sainte-Marie	Paris, Ann. Bur. centr. météor., 1914.	True mean T derived from ½ (M+m).
1046	Tananarivo	Do. do.	P=⅛ (7+13+18). True mean T derived from these hours.
1055	Cocos Keeling Is.	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=½ (9+15). No observations after October.
1056			
1057	Christmas Is.	Edinburgh, J. Scot. Meteor. Soc., 17, 1914.	P=½ (9+21).
1058			
1061	Koepang	Batavia, Obs. in II. Stations in Netherlands East India, vol. iv., and Regenw. in do., 1914.	P reduced to mean of 24 hrs.
1061a	Derby	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=½ (9+15).
1062	Hall's Creek	Do. do. do.	Do.
1063	Port Darwin	Do. do. do.	Do.
1064	Daly Waters		P=⅛ (9+15). True mean T derived from ½ (M+m).
1065	Mein	Do. do. do.	P=½ (9+15).
1066	Georgetown, Queensland	Do. do. do.	Do.
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1914–15.	P, mean T (Jan.–Nov.)=9 h.
1072	Suva, Fiji	M.S. data at M.O.	P=9 h.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S. ZONE 11.

No.	Name of Station.	Authority for Current Data.	Remarks.
1105	Rarotonga (Avarua)	M.S. data at M.O.	P=9 h.
1115	Mataveri, Easter Island	..	..
1121	Punta Tortuga, Coquimbo	M.S. data supplied by Inst. Meteor. de Chile Santiago.	P=⅛ (7+14+21). True mean T derived from ¼ (7+14+2×21).
1122	Puerto de Antofagasta	..	..
1123	Catamarca	..	..
1124	Salta	..	..
1125	Goya	M.S. data supplied by Mr R. C. Mossman.	P=⅛ (8+14+20). True mean T derived from these hours.
1126	Asuncion	..	..
1127	Curityba	Rio de Janeiro, Obs. Nacional, Annuario, 1918.	P, T=⅛ (7+14+21).
1128	Rio de Janeiro	Do. do.	P=mean of 24 hrs.
1139	Windhuk	..	..
1141	Johannesburg	Symons' Meteor. Mag., London, 1914, 1915.	..
1142	Kimberley	M.S. data supplied by Dr J. R. Sutton.	P=⅛ (8+14+20).
1142a	Pretoria	..	..
1143	Durban	See No. 1141.	..
1144	Lorenzo Marques	Lourenço Marques, Relatorio do Observatorio Campos Rodrigues, 1914.	P=mean of 24 hrs.
1147	Mauritius	Mauritius, Results of Meteor. Obs. during 1914 at Royal Alfred Observatory.	Do.
1159	Onslow	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=½ (9+15).
1160	Peak Hill	Do. do. do.	Do.
1161	Nullagine	Do. do. do.	Do.
1162	Laverton	Do. do. do.	Do.
1163	Alice Springs	Do. do. do.	P=½ (9+15). True mean T derived from ½ (M+m).
1164	William Creek	Do.	
1165	Boulia	Do. do. do.	P=½ (9+15), T, Feb., Mar., May, June=⅛ (9+15+21).
1166	Mitchell	Do. do. do.	P=½ (9+15).
1167	Rockhampton	Do. do. do.	Do.
1168	Brisbane	Do.	Do.
1169	Noumea	..	..
1170	Norfolk Island	Do. do. do.	..

Between Latitude 30° S. and 40° S. ZONE 12.

1220	Juan Fernandez	M.S. data supplied by Inst. Meteor. de Chile, Santiago.	True mean T derived from ¼ (7+14+2×21).
1221	Punta Angeles, Valparaiso	Do. do. do.	P=⅛ (7+14+21). True mean T derived from ¼ (7+14+2×21).
1222	Santiago	Santiago, Publ. Inst. Meteor. de Chile, No. 25, Annuario, 1914.	Do. do. do.
1222a	Concepcion	See No. 1220.	Do. do. do.
1223	Cordoba	M.S. data supplied by Mr R. C. Mossman.	P=mean of 24 hrs.
1224	Bahia Blanca	Do. do.	P=⅛ (8+14+20).
1225	Buenos Ayres	Do. do.	P=⅛ (8+14+20). True mean T derived from these hours.
1226	Rio Grande	M.S. data supplied by Observatorio Astronomico e Meteorologico del Rio Grande.	P=⅛ (7+14+21).
1227	Montevideo	Montevideo, Instituto Meteor. Nacional, Datos, 1914.	P=mean of 24 hrs.
1239	Cape Town	Symons' Meteor. Mag., London, 1914, 1915.	True mean T derived from ½ (M+m).
1240	Danger Point	..	..
1241	Heidelberg	..	..
1242	East London	..	..
1259	Perth (Observatory)	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=mean of 24 hrs.
1260	Katanning	Do. do. do.	P=½ (9+15).
1261	Coolgardie	Do. do. do.	Do.
1262	Eucla	Do. do. do.	Do.
1263	Streaky Bay	Do. do. do.	Do.
1264	Adelaide	Do.	P=mean of 24 hrs. True mean T derived from ½ (M+m).
1265	Melbourne	Do. do. do.	P=mean of 24 hrs.
1266	Bourke	Do. do. do.	P=½ (9+15).
1267	Sydney	Do. do. do.	P=mean of 24 hrs.
1268	Lord Howe Island	Do.	P=9 h.
1271	Auckland	Wellington, Statistics of New Zealand, Meteor, 1914.	..
1272	Napier	Do. do.	P=9 h.

Between Latitude 40° S. and 50° S. ZONE 13.

1301	Chatham Island	Wellington, Statistics of New Zealand, Meteor, 1914.	P=9 h.
1302			
1321	Isla Huafo	M.S. data supplied by Inst. Meteor. de Chile, Santiago.	P=⅛ (7+14+21). True mean T derived from ¼ (7+14+2×21).
1322	Punta Galera	Do. do. do.	Do. do. do.
1323	Sarmiento	..	..
1324	Punta Madryn	..	..
1365	Hobart	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=mean of 24 hrs. True mean T derived from ½ (M+m).
1366	Launceston	Do. do. do.	P=½ (9+15).
1370	Invercargill	See No. 1301.	..
1371	Dunedin	Do.	P=9 h.
1371a	Christchurch	Do.	P=9½ h.
1372	Wellington	Do.	P=9 h.

ZONE 14. Table showing the Authorities for the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Authority for Current Data.	Remarks.
1421	Islota de los Evangelistas	M.S. data supplied by Inst. Meteor. de Chile, Santiago.	See No. 1321.
1422	Puerto de Punta Arenas	Do. do. do.	Do.
1423	Punta Dungeness	Do. do. do.	Do.
1424	Santa Cruz	..	..
1424*a*	Año Nuevo	M.S. data supplied by Ministerio de Marina, Buenos Aires.	P=mean of 24 hrs.
1425	Cape Pembroke	London, Meteor. Office, Climate and Weather of Falkland Islands and South Georgia, 1919.	P, T=$\frac{1}{6}$ (4+8+12+16+20+24). No raingauge.
1426	Stanley, Falklands Is.	Do. do. do.	..
1429	South Georgia (Cumberland Bay)	Do. do. do.	P=$\frac{1}{3}$ (8+14+20). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1467	Macquarie Island	M.S. data supplied by Melbourne Commonwealth Bureau of Meteorology.	P=mean of 24 hrs.

ZONE 15. Between Latitude 60° S. and 70° S.

1527 1528	South Orkneys	M.S. data supplied by Mr R. C. Mossman.	P=mean of 24 hrs.

TEMPERATURES REDUCED TO TRUE MEAN.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

Greenland, Iceland.—Copenhagen, Institut Météor., Moyennes et extrêmes météor. . . . des Iles Féroë, de l'Islande et du Groenland. Copenhagen, 1899.

Norway.—Kristiania, Jahrb. d. Norweg. Meteor. Instituts.

Denmark.—Jantzen, Willaume, Meteorologiske Observationer i Kjobenhavn. Copenhagen, 1896.

Sweden.—Ekholm, N., Calcul de la température moyenne mensuelle de l'air aux stations météor. suédoises. Uppsala, 1916.

Russia.—Wild, H., Die Temperatur-Verhältnisse des Russischen Reiches. 3 vols. St. Petersburg, 1881.

Canada.—Prepared in M.O.

U.S.A.—Washington, U.S. Dept. Agric., Weather Bureau, Bulletin S. By F. H. Bigelow, 1909.

Portugal (Lisbon).—J. d'Almeida Lima, Le climat de Lisbonne. Lisbon, 1912.

Italy.—Eredia, F., Il clima di Roma. Rome, 1911.

Greece (Athens).—Athens, Observatoire National, Annales.

Africa.—Brooks, C. E. P. The Reduction of Temperature Observations to Mean of 24 Hours, and the Elucidation of the Diurnal Variation in the Continent of Africa. London, Q.J.R. Meteor. Soc., 43, 1917, p. 375.

Egypt and Sudan.—Cairo, Survey Department, Annual Report, 1907.

India.—Calcutta, Meteorological Office, Indian Meteorological Memoirs, vol. xvii. Calcutta, 1904.

Tropics.—Hann, J. von, Die tägliche Gang der Temperatur in der inneren Tropenzone; Die tägliche Gang der Temperatur in der äusseren Tropenzone. 3 vols. Wien, 1905, 1906, 1907.

South America.—Supplied by Mr. R. C. Mossman.

South Georgia.—Internationale Polarforschung, 1882–3. Die Beobachtungs-Ergebnisse der Deutschen Stationen; Süd-Georgien. Berlin, 1886.

The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce $\frac{1}{2}$ (M+*m*) to true mean **T**, taking into consideration the height and the daily range (M−*m*). It can be applied in cases where no other correction is available, and will be so used in the tables in future issues.

Daily Range *a*.	Height in Metres.							
	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.
4	− ·35	− ·42	−·49	−·56	−·63	−·70	− ·77	− ·84
6	− ·42	− ·50	−·58	−·66	−·74	−·82	− ·90	− ·98
8	− ·52	− ·59	−·65	−·72	−·78	−·85	− ·91	− ·98
10	− ·64	− ·67	−·70	−·73	−·76	−·79	− ·82	− ·85
12	− ·79	− ·76	−·73	−·70	−·67	−·64	− ·61	− ·58
14	− ·97	− ·85	−·73	−·61	−·49	−·37	− ·25	− ·13
16	−1·17	− ·94	−·71	−·48	−·25	−·02	+ ·21	+ ·44
18	−1·40	−1·04	−·68	−·32	+·04	+·40	+ ·76	+1·13
20	−1·66	−1·14	−·62	−·10	+·42	+·94	+1·46	+1·98

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